

FRAME SAW OPERATOR

Introduction: The program is designed to train the Frame saw operator to be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice

**Minimum of 4 Learners,
Maximum of 10 people per course**

Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.

Certification
Theoretical assessments 80% pass rate
Practical Assessment
We recommend a re-certification every 2 years

Minimum entry requirements:

**Duration: 5 Days
Credits:**

Course Outline

- Introduction
- Collecting all prescribed setting up tools and equipment
- Inspecting tools and equipment
- Setting up the frame saw operator equipment
- Setting up procedure
- Operating the frame saw operator equipment
- Safe operating procedures
- Controlling through put and quality
- Perform routine maintenance and lubrication

BOARD EDGER OPERATOR

Introduction: The program is designed to train the board edger operator to be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice

**Minimum of 4 Learners,
Maximum of 10 people per course**

Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.

Certification
Theoretical assessments 80% pass rate
Practical Assessment
We recommend a re-certification every 2 years

Minimum entry requirements:

**Duration: 5 Days
Credits:**

Course Outline

- Introduction
- Collecting all prescribed setting up tools and equipment
- Inspecting tools and equipment
- Setting up the frame Lumber edging equipment
- Setting up procedure
- Operating the board edging equipment
- Safe operating procedures
- Controlling through put and quality
- Perform routine maintenance and lubrication

BAND SAW OPERATOR

Introduction: The program is designed to train the band saw operator to be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice	Minimum of 4 Learners, Maximum of 10 people per course
Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.	Certification Theoretical assessments 80% pass rate Practical Assessment We recommend a re-certification every 2 years
Minimum entry requirements:	Duration: 5 Days Credits:
<u>Course Outline</u> <ul style="list-style-type: none">• Introduction• Collecting all prescribed setting up tools and equipment• Inspecting tools and equipment• Setting up the band saw equipment• Setting up procedure• Operating the band saw machine• Safe operating procedures• Controlling through put and quality• Perform routine maintenance and lubrication	

FINGERJOINT OPERATOR

Introduction: The program is designed to train the finger joint operator to be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice	Minimum of 4 Learners, Maximum of 10 people per course
Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.	Certification Theoretical assessments 80% pass rate Practical Assessment We recommend a re-certification every 2 years
Minimum entry requirements:	Duration: 5 Days Credits:
<u>Course Outline</u> <ul style="list-style-type: none">• Introduction• Setting up tools and equipment for finger-jointing• Set-up finger joint profiler, press and cross-cut machine• Purpose of setting up• Process of setting up machines• Producing finger joints with profile dimensions according to SANS 1096• Handling and cure finger jointed lumber• Safety, health and environmental requirements	

NARROW BAND SAW MAINTENANCE & OPERATION

Introduction: The program is designed to train the narrow band saw maintenance operation to be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice

**Minimum of 4 Learners,
Maximum of 10 people per course**

Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.

Certification
Theoretical assessments 80% pass rate
Practical Assessment
We recommend a re-certification every 2 years

Minimum entry requirements:

**Duration: 5 Days
Credits:**

Course Outline

- Introduction
- Inspecting narrow band saw blades
- Corrective measures
- Spring setting
- Safety during saw maintenance
- Band saw machine maintenance
- Saw sharpening
- Mounting blade on the machine
- Machine setting up procedures
- Operating procedures
- Controlling through-put and quality
- Safety, Health and environmental requirement

SCANNER OPERATOR

Introduction: The program is designed to train the scanner operator to be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice

**Minimum of 4 Learners,
Maximum of 10 people per course**

Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.

Certification
Theoretical assessments 80% pass rate
Practical Assessment
We recommend a re-certification every 2 years

Minimum entry requirements:

**Duration: 5 Days
Credits:**

Course Outline

- Introduction
- Collecting all prescribed setting up tools and equipment
- Inspecting tools and equipment
- Setting up the scanner equipment
- Setting up procedure
- Operating the scanner equipment
- Safe operating procedures
- Controlling through put and quality
- Perform routine maintenance and lubrication

TRIMSAW OPERATOR

Introduction: The program is designed to train the trimshaw operator to be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice	Minimum of 4 Learners, Maximum of 10 people per course
Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.	Certification Theoretical assessments 80% pass rate Practical Assessment We recommend a re-certification every 2 years
Minimum entry requirements:	Duration: 5 Days Credits:
Course Outline <ul style="list-style-type: none">• Introduction• Collecting all prescribed setting up tools and equipment• Inspecting tools and equipment• Setting up the trimming equipment• Setting up procedure• Operating the trimming equipment• Safe operating procedures• Controlling through put and quality• Perform routine maintenance and lubrication	

DEBARKER OPERATOR

<p>Introduction: The program is designed to train the debarker operator to be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice</p>	<p>Minimum of 4 Learners, Maximum of 10 people per course</p>
<p>Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.</p>	<p>Certification Theoretical assessments 80% pass rate Practical Assessment We recommend a re-certification every 2 years</p>
<p>Minimum entry requirements:</p>	<p>Duration: 5 Days Credits:</p>
<p><u>Course Outline</u></p> <ul style="list-style-type: none"> • Introduction • Main machine component • Tools and equipment for setting up the debarking facility • Ancillary material handling equipment • Setting up and testing the debarking facility • Operating the debarking facility • Reasons for debarking • Controlling the quantity and quality of debarked logs • Routine maintenance and lubrication • Safety 	

CROSS CUT SAW OPERATOR

<p>Introduction: The program is designed to train the cross cut saw operator to be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice</p>	<p>Minimum of 4 Learners, Maximum of 10 people per course</p>
<p>Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.</p>	<p>Certification Theoretical assessments 80% pass rate Practical Assessment We recommend a re-certification every 2 years</p>
<p>Minimum entry requirements:</p>	<p>Duration: 5 Days Credits:</p>
<p><u>Course Outline</u></p> <ul style="list-style-type: none"> • Introduction • Setting up tools and equipment for cross cutting • Tools and equipment and log cutting tools • Inspecting tools and equipment for damages • Ancillary materials handling equipment • Setting cross cutting equipment • Safety in setting lumber cross cutting equipment • Operating cross cutting equipment • Quality control measures • Maintenance of cross cutting equipment • Lubrication of equipment 	

RE-SAW OPERATOR

Introduction: The program is designed to train the re-saw operator to be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice

**Minimum of 4 Learners,
Maximum of 10 people per course**

Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.

Certification
Theoretical assessments 80% pass rate
Practical Assessment
We recommend a re-certification every 2 years

Minimum entry requirements:

**Duration: 5 Days
Credits:**

Course Outline

- Introduction
- Collecting all prescribed setting up tools and equipment
- Inspecting tools and equipment
- Setting up the re-sawing equipment
- Setting up procedure
- Operating the re-sawing equipment
- Safe operating procedures
- Controlling through put and quality
- Perform routine maintenance and lubrication

DOUBLE LOG EDGER OPERATOR

Introduction: The program is designed to train the double log edger operator to be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice

**Minimum of 4 Learners,
Maximum of 10 people per course**

Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.

Certification
Theoretical assessments 80% pass rate
Practical Assessment
We recommend a re-certification every 2 years

Minimum entry requirements:

**Duration: 5 Days
Credits:**

Course Outline

- Introduction
- Collecting all prescribed setting up tools and equipment
- Inspecting tools and equipment
- Setting up the double log edger equipment
- Setting up procedure
- Operating the double log edger equipment
- Safe operating procedures
- Controlling through put and quality
- Perform routine maintenance and lubrication

MULTIRIP OPERATOR

<p>Introduction: The program is designed to train the multi-rip operator to be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice</p>	<p>Minimum of 4 Learners, Maximum of 10 people per course</p>
<p>Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.</p>	<p>Certification Theoretical assessments 80% pass rate Practical Assessment We recommend a re-certification every 2 years</p>
<p>Minimum entry requirements:</p>	<p>Duration: 5 Days Credits:</p>
<p><u>Course Outline</u></p> <ul style="list-style-type: none"> • Introduction • Collecting all prescribed setting up tools and equipment • Inspecting tools and equipment • Setting up the Multi-rip equipment • Setting up procedure • Operating the multi-rip equipment • Safe operating procedures • Controlling through put and quality • Perform routine maintenance and lubrication 	

RIP SAW OPERATOR

Introduction: The program is designed to train the rip saw operator to be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice

**Minimum of 4 Learners,
Maximum of 10 people per course**

Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.

Certification
Theoretical assessments 80% pass rate
Practical Assessment
We recommend a re-certification every 2 years

Minimum entry requirements:

**Duration: 5 Days
Credits:**

Course Outline

- Introduction
- Collecting all prescribed setting up tools and equipment
- Inspecting tools and equipment
- Setting up the rip saw equipment
- Setting up procedure
- Operating the rip saw equipment
- Safe operating procedures
- Controlling through put and quality
- Perform routine maintenance and lubrication

WOODMIZER OPERATOR

Introduction: The program is designed to train the woodmizer operator to be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice

**Minimum of 4 Learners,
Maximum of 10 people per course**

Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.

Certification
Theoretical assessments 80% pass rate
Practical Assessment
We recommend a re-certification every 2 years

Minimum entry requirements:

**Duration: 5 Days
Credits:**

Course Outline

- Introduction
- Collecting all prescribed setting up tools and equipment
- Inspecting tools and equipment
- Setting up the woodmizer equipment
- Setting up procedure
- Operating the woodmizer equipment
- Safe operating procedures
- Controlling through put and quality
- Perform routine maintenance and lubrication

KILN OPERATOR

Introduction: The program is designed to train the kiln operator to be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice

**Minimum of 4 Learners,
Maximum of 10 people per course**

Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.

Certification
Theoretical assessments 80% pass rate
Practical Assessment
We recommend a re-certification every 2 years

Minimum entry requirements:

**Duration: 5 Days
Credits:**

Course Outline

- Introduction
- Properties of wood related to drying
- Kiln types and features
- Dry kiln auxiliary equipment
- Inspections and maintenance of dry kilns and equipment
- Kiln samples
- Drying defects
- Operating a dry kiln
- Log and lumber storage
- Energy in kiln drying

KILN ASSISTANT

Introduction: The program is designed to train the kiln assistance operator to be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice

**Minimum of 4 Learners,
Maximum of 10 people per course**

Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.

Certification
Theoretical assessments 80% pass rate
Practical Assessment
We recommend a re-certification every 2 years

Minimum entry requirements:

**Duration: 5 Days
Credits:**

Course Outline

- Introduction
- Properties of wood related to drying
- Kiln types and features
- Dry kiln auxiliary equipment
- Inspections and maintenance of dry kilns and equipment
- Kiln samples
- Drying defects
- Operating a dry kiln
- Log and lumber storage
- Energy in kiln drying

LUMBER DRYING FOR SUPERVISORS/MANAGERS

Introduction: The program is designed to train the lumber drying supervisors/managers to be able to dry timber correctly, safely and to understand the functions as prescribed by the National Code of Practice

**Minimum of 4 Learners,
Maximum of 10 people per course**

Target Group: All relevant Lumber milling production Managers and Supervisors as required per production needs.

Certification
Theoretical assessments 80% pass rate
Practical Assessment
We recommend a re-certification every 2 years

Minimum entry requirements:

**Duration: 6 Days
Credits:**

Course Outline

- Introduction
- Properties of wood related to drying
- Air drying
- Kiln drying
- Kiln types and features
- Kiln samples
- Drying defects
- Safety
- Energy in kiln drying

LUMBER DRYING APPRECIATION FOR MANAGERS

Introduction: The program is designed to train the lumber drying managers to be able to dry timber correctly, safely and to understand the functions as prescribed by the National Code of Practice

**Minimum of 4 Learners,
Maximum of 10 people per course**

Target Group: All relevant Lumber Milling Managers as required per production needs.

Certification
Theoretical assessments 80% pass rate
Practical Assessment
We recommend a re-certification every 2 years

Minimum entry requirements:

**Duration: 2 Days
Credits:**

Course Outline

- Introduction
- Properties of wood related to drying
- Air drying
- Kiln drying
- Kiln types and features
- Kiln samples
- Energy in kiln drying
- Health, safety and environmental requirements

BOARD GRADER-Spec 1783-Part 1&2

<p>Introduction: The program is designed to train the boarder grader to be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice</p>	<p>Minimum of 4 Learners, Maximum of 10 people per course</p>
<p>Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.</p>	<p>Certification Theoretical assessments 80% pass rate Practical Assessment We recommend a re-certification every 2 years</p>
<p>Minimum entry requirements:</p>	<p>Duration: 5 Days Credits:</p>
<p><u>Course Outline</u></p> <ul style="list-style-type: none"> • Introduction • Visual grading facilities (grading table, chain, moisture meter, measuring equipment, marking equipment • Mechanical grading facilities (calibration, feeding mechanisms, stress identification and marking materials • Stacking area and facilities, stack size, grade marks • Grade stamp positions of grade mark on lumber • Marking equipment and materials • Strapping equipment, materials and methods • Lumber dimensions, graders markings, parcelling facilities • Relevant grading rules, readings, measurements, pre-test markings where relevant, stress identification • Safety, health and environmental requirements 	

BOARD GRADER-Spec 1783-Part 3

<p>Introduction: The program is designed to train the boarder to be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice</p>	<p>Minimum of 4 Learners, Maximum of 10 people per course</p>
<p>Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.</p>	<p>Certification Theoretical assessments 80% pass rate Practical Assessment We recommend a re-certification every 2 years</p>
<p>Minimum entry requirements:</p>	<p>Duration: 5 Days Credits:</p>
<p><u>Course Outline</u></p> <ul style="list-style-type: none"> • Introduction • Visual grading facilities (grading table, chain, moisture meter, measuring equipment, marking equipment • Mechanical grading facilities (calibration, feeding mechanisms, stress identification and marking materials • Stacking area and facilities, stack size, grade marks • Grade stamp positions of grade mark on lumber • Marking equipment and materials • Strapping equipment, materials and methods • Lumber dimensions, graders markings, parcelling facilities • Relevant grading rules, readings, measurements, pre-test markings where relevant, stress identification • Safety, health and environmental requirements 	

BOARD GRADER-Spec 1783-Part 4

<p>Introduction: The program is designed to train the boarder grader to be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice</p>	<p>Minimum of 4 Learners, Maximum of 10 people per course</p>
<p>Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.</p>	<p>Certification Theoretical assessments 80% pass rate Practical Assessment We recommend a re-certification every 2 years</p>
<p>Minimum entry requirements:</p>	<p>Duration: 5 Days Credits:</p>
<p><u>Course Outline</u></p> <ul style="list-style-type: none"> • Introduction • Visual grading facilities (grading table, chain, moisture meter, measuring equipment, marking equipment) • Mechanical grading facilities (calibration, feeding mechanisms, stress identification and marking materials) • Stacking area and facilities, stack size, grade marks • Grade stamp positions of grade mark on lumber • Marking equipment and materials • Strapping equipment, materials and methods • Lumber dimensions, graders markings, parcelling facilities • Relevant grading rules, readings, measurements, pre-test markings where relevant, stress identification • Safety, health and environmental requirements 	

BOARD GRADER- Refresher

Introduction: The program is designed to train the boarder grader to be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice	Minimum of 4 Learners, Maximum of 10 people per course
Target Group: All relevant Lumber milling production employees as required per production needs with previous certification.	Certification Theoretical assessments 80% pass rate Practical Assessment We recommend a re-certification every 2 years
Minimum entry requirements:	Duration: 3 Days Credits:
<u>Course Outline</u> <ul style="list-style-type: none">• Introduction• Stacking area and facilities• Grade stamp• Marking equipment and materials• Strapping equipment, materials and methods• Lumber dimension, grades markings• Grading rules and standards• Safety, health and environmental requirements	

BOARD GRADING for Supervisors/Managers Spec 1783

Introduction: The program is designed to train the board grading for supervisors/managers to be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice

**Minimum of 4 Learners,
Maximum of 10 people per course**

Target Group: All relevant Lumber milling production managers/supervisor as required per production needs.

Certification
Theoretical assessments 80% pass rate
Practical Assessment
We recommend a re-certification every 2 years

Minimum entry requirements:

**Duration: 8 Days
Credits:**

Course Outline

- Introduction
- Grading standard, rules
- Visual and mechanical grading
- Stacking areas and facilities
- Marking equipment and materials
- Strapping equipment and methods
- Lumber dimensions, grades
- Grade stamp
- Safety, health and environmental requirements

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FINGER JOINTING OPERATOR-Spec 096

Introduction: The program is designed to train the Finger jointing operator to be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice	Minimum of 4 Learners, Maximum of 10 people per course
Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.	Certification Theoretical assessments 80% pass rate Practical Assessment We recommend a re-certification every 2 years
Minimum entry requirements:	Duration: 5 Days Credits:
<p><u>Course Outline</u></p> <ul style="list-style-type: none"> • Introduction • Setting up tools and equipment for finger-jointing • Set-up finger joint profiler, press and cross-cut machine • Purpose of setting up • Process of setting up machines • Producing finger joints with profile dimensions according to SANS 1096 • Handling and cure finger jointed lumber • Safety, health and environmental requirements 	

STRESS GRADER (TRU) OPERATOR

Introduction: The program is designed to train the stress grader operator to be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice

**Minimum of 4 Learners,
Maximum of 10 people per course**

Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.

Certification
Theoretical assessments 80% pass rate
Practical Assessment
We recommend a re-certification every 2 years

Minimum entry requirements:

**Duration: 5 Days
Credits:**

Course Outline

- Introduction
- Safe operating procedure
- Responsibilities and standards for stress grading
- Visual and machine grading
- Machine set-up
- Machine maintenance
- Machine operation
- Quality standards
- Health and safety standards

SETTING & SHARPENING

Introduction: The program is designed to train the setting and sharpening operator to be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice

**Minimum of 4 Learners,
Maximum of 10 people per course**

Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.

Certification
Theoretical assessments 80% pass rate
Practical Assessment
We recommend a re-certification every 2 years

Minimum entry requirements:

**Duration: 5 Days
Credits:**

Course Outline

- Introduction
- Setting and sharpening procedures
- Set up and adjustment of tools and equipment
- Tools and equipment used
- Function of tools and equipment
- Setting and sharpening
- Manually operated machine
- Automated operated machines
- Maintenance and adjustment of tools and equipment

LEVELLING & TENSIONING

Introduction: The program is designed to train the people so that they be able to level and tension saw blades in Lumber mill Saw shop correctly, safely and to understand the functions as prescribed by the National Code of Practice	Minimum of 4 Learners, Maximum of 10 people per course
Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.	Certification Theoretical assessments 80% pass rate Practical Assessment We recommend a re-certification every 2 years
Minimum entry requirements:	Duration: 5 Days Credits:
<u>Course Outline</u> <ul style="list-style-type: none">• Introduction• Tools, gauges and equipment used• Steps taken in levelling• Reason for levelling• Maintenance of equipment used• Relevant PPC• Safety during and after tensioning and levelling	

SAW MAINTENANCE -Advanced Level

Introduction: The program is designed to train people how to take good care of saws (Saw Maintenance) in a Lumber Mill correctly, safely and to understand the functions as prescribed by the National Code of Practice	Minimum of 4 Learners, Maximum of 10 people per course
Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.	Certification Theoretical assessments 80% pass rate Practical Assessment We recommend a re-certification every 2 years
Minimum entry requirements:	Duration: 10 Days Credits:
<u>Course Outline</u> <ul style="list-style-type: none">• Introduction• Procedures to be followed in servicing used/blunt saw• Inspecting of servicing saws• Inspecting saw blades after use in lumber mill• Corrective measures• Saw maintenance procedures• Precautionary measure during saw maintenance• Monitoring performance of serviced saw blades• Safety and health	

PLANER MOULDER Maintenance & Operation

Introduction: The program is designed to train the planer moulder operator to be able to operate and maintain the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice

**Minimum of 4 Learners,
Maximum of 10 people per course**

Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.

Certification
Theoretical assessments 80% pass rate
Practical Assessment
We recommend a re-certification every 2 years

Minimum entry requirements:

**Duration: 5 Days
Credits:**

Course Outline

- Introduction
- Prescribed setting up tools and equipment
- Cutting tools (blades, knives) for the moulder
- Setting up procedure
- Operating the planer moulder
- Safe operating procedure
- Control through put and quality
- Safety on planer moulder

PLANING & MOULDING for Managers

Introduction: The program is designed to train the Dry Mill Managers to be able to know about the machine and operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice

**Minimum of 4 Learners,
Maximum of 10 people per course**

Target Group: All relevant Lumber milling production managers as required per production needs.

Certification
Theoretical assessments 80% pass rate
Practical Assessment
We recommend a re-certification every 2 years

Minimum entry requirements:

**Duration: 5 Days
Credits:**

Course Outline

- Introduction
- Setting up tools and equipment
- Setting up the planer moulder
- Operating the planer moulder
- Maintain and set up cutter blocks
- Throughput and quality
- Lock out procedures
- Safe, health and environmental requirements

OXY/ACETYLENE Welding and Brazing

Introduction: The program is designed to train people to be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice	Minimum of 4 Learners, Maximum of 10 people per course
Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.	Certification Theoretical assessments 80% pass rate Practical Assessment We recommend a re-certification every 2 years
Minimum entry requirements:	Duration: 4 Days Credits:
Course Outline <ul style="list-style-type: none">• Introduction• Materials and equipment used with oxygen/acetylene to weld and braze saw blades• Welding and brazing procedures• Welding and brazing process• Relevant PPC for protection• Safe operating procedures• Cleaning faces and edges after welding• Cleaning detergents	

MIG &TIG Welding

Introduction: The program is designed to train people be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice

**Minimum of 4 Learners,
Maximum of 10 people per course**

Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.

Certification
Theoretical assessments 80% pass rate
Practical Assessment
We recommend a re-certification every 2 years

Minimum entry requirements:

**Duration: 4 Days
Credits:**

Course Outline

- Introduction
- Setting up MIG arc welder
- Setting up procedures
- Setting up TIG arc welder
- Welding saw blades using MIG and TIG
- Cleaning faces and edges of welds
- Safety requirements
- Maintenance of machinery/equipment

SHARPEN KNIFES & PROFILE CUTTERS

<p>Introduction: The program is designed to train people how to sharpen knives & profile cutters correctly, safely and to understand the functions as prescribed by the National Code of Practice</p>	<p>Minimum of 4 Learners, Maximum of 10 people per course</p>
<p>Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.</p>	<p>Certification Theoretical assessments 80% pass rate Practical Assessment We recommend a re-certification every 2 years</p>
<p>Minimum entry requirements:</p>	<p>Duration: 3 Days Credits:</p>
<p><u>Course Outline</u></p> <ul style="list-style-type: none"> • Introduction • Inspection carried out on used/blunt knives and profile cutters • Importance of carrying out inspections • Inspections procedures • Possible features that indicates damages • Assembling knife and profile cutters grinding machine • Sharpening knives and profile cutters • Mounting cutters/knives in cutter blocks after sharpening • Routine maintenance of machines used 	

MAINTAIN AND SET UP CUTTER BLOCKS

Introduction: The program is designed to train people how to maintain and set up cutter blocks correctly, safely and to understand the functions as prescribed by the National Code of Practice

**Minimum of 4 Learners,
Maximum of 10 people per course**

Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.

Certification
Theoretical assessments 80% pass rate
Practical Assessment
We recommend a re-certification every 2 years

Minimum entry requirements:

**Duration: 4 Days
Credits:**

Course Outline

- Introduction
- Cutter blocks with disposable cutters
- Setting up a cutter block (profiled and disposable)
- Cutter block maintenance
- Safety during cutter block maintenance

FINGERJOINTING & GLUELAM for Managers

Introduction: The program is designed to train managers in finger jointing and gluelam manufacturing correctly, safely and to understand the functions as prescribed by the National Code of Practice	Minimum of 4 Learners, Maximum of 10 people per course
Target Group: All relevant Lumber milling production managers as required per production needs.	Certification Theoretical assessments 80% pass rate Practical Assessment We recommend a re-certification every 2 years
Minimum entry requirements:	Duration: 3 Days Credits:
<u>Course Outline</u> <ul style="list-style-type: none">• Introduction• Types of machinery• Finger jointing process• Glulam process• Setting up laminating equipment• Producing finger jointed and laminated timber• Stacking procedures• Safety, health and environmental requirement	

MAINTAINANCE MANAGEMENT

Introduction: The program is designed to train on maintenance management to carry out maintenance work correctly, safely and to understand the functions as prescribed by the National Code of Practice	Minimum of 4 Learners, Maximum of 10 people per course
Target Group: All relevant Lumber milling maintenance team as required per production needs without previous certification but able to read and write.	Certification Theoretical assessments 80% pass rate Practical Assessment We recommend a re-certification every 2 years
Minimum entry requirements:	Duration: 4 Days Credits:
Course Outline <ul style="list-style-type: none">• Introduction• Introduction to life cycle cost• Objectives of maintenance and maintenance cost• Maintenance definition• How to get un-planned repair jobs planned• Maintenance procedures• Failure development• Total productivity maintenance• Maintenance management systems	

TIMBER MARKETING

Introduction: The program is designed to train how to market timber being produced in the sawmill correctly, to improve sales.

**Minimum of 4 Learners,
Maximum of 10 people per course**

Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.

Certification
Theoretical assessments 80% pass rate
Practical Assessment
We recommend a re-certification every 2 years

Minimum entry requirements:

**Duration: 3 Days
Credits:**

Course Outline

- Introduction
- Sustainable quality processed and unprocessed timber products
- Marketing of timber products
- Continually cultivates and develops new and existing markets and or niche markets
- Logistical management of various kinds of timber products

PHYSICAL & MECHANICAL PROPERTIES OF TIMBER

Introduction: The program is designed to train people dealing with timber the properties of timber prior to its end use.

**Minimum of 4 Learners,
Maximum of 10 people per course**

Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.

Certification
Theoretical assessments 80% pass rate
Practical Assessment
We recommend a re-certification every 2 years

Minimum entry requirements:

**Duration: 2 Days
Credits:**

Course Outline

- Introduction
- Microscopic structure of wood
- Cell walls, cell openings, cell types
- Three (3) planes of wood (tangential, radial and longitudinal)
- Wood grain
- Knots
- Reaction wood
- Juvenile wood
- Moisture content in wood
- Chemical structure of wood
- Physical properties of wood
- Mechanical properties of wood

BASIC SAFETY IN SAWMILLING FOR WORKERS

<p>Introduction: The program is designed to train all operators and production employees to be able to operate the machine and work correctly, safely and to understand the functions as prescribed by the National Code of Practice</p>	<p>Minimum of 4 Learners, Maximum of 10 people per course</p>
<p>Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.</p>	<p>Certification Theoretical assessments 80% pass rate Practical Assessment We recommend a re-certification every 2 years</p>
<p>Minimum entry requirements:</p>	<p>Duration: 2 Days Credits:</p>
<p><u>Course Outline</u></p> <ul style="list-style-type: none"> • Introduction • Managing health and safety • Training • Safe guarding machinery • Mechanical saw milling lines • Work place design and building maintenance • Safe use of transport • Safe stacking • Slinging/lifting of loads • Occupational health and the work place 	

SAWMILL FIRE AWARENESS (Basic)

Introduction: The program is designed to train all production employees to be able to handle a fire outbreak correctly, safely and to understand the functions as prescribed by the National Code of Practice	Minimum of 4 Learners, Maximum of 10 people per course
Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.	Certification Theoretical assessments 80% pass rate Practical Assessment We recommend a re-certification every 2 years
Minimum entry requirements:	Duration: 2 Days Credits:
<u>Course Outline</u> <ul style="list-style-type: none">• Introduction• Understanding fire• Causes of fire• Responsibilities- fire safety is everyone's responsibility• Risk assessment- generic and dynamic• Human behaviour• Fire detection and fire fighting• Fire drills, evaluation and fire wardens	

SAWMILL FIRE FIGHTING PROTO TEAMS

Introduction: The program is designed to train all production employees to be able to handle fire outbreaks in sawmills correctly, safely and to understand the functions as prescribed by the National Code of Practice

**Minimum of 4 Learners,
Maximum of 10 people per course**

Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.

Certification
Theoretical assessments 80% pass rate
Practical Assessment
We recommend a re-certification every 2 years

Minimum entry requirements:

**Duration: 3 Days
Credits:**

Course Outline

- Introduction
- Fire line safety and survival
- Fire behaviour
- Hand tool utilization
- Hand tool maintenance
- Legislation
- Stages of fire suppression
- Water delivery equipment

HEALTHY & SAFETY FOR SUPERVISORS & MANAGERS

<p>Introduction: The program is designed to train managers/supervisors in health and safety issues to enable smooth and safe production in the Lumber Mill</p>	<p>Minimum of 4 Learners, Maximum of 10 people per course</p>
<p>Target Group: All relevant Lumber milling production managers/supervisors as required per production needs.</p>	<p>Certification Theoretical assessments 80% pass rate Practical Assessment We recommend a re-certification every 2 years</p>
<p>Minimum entry requirements:</p>	<p>Duration: 2 Days Credits:</p>
<p><u>Course Outline</u></p> <ul style="list-style-type: none"> • Introduction • Managing health and safety • Training • Safe guarding machinery • Mechanical saw milling lines • Work place design and building maintenance • Safe use of transport • Safe stacking • Slinging/lifting of loads • Occupational health and the work place 	

FIRST AID Level 1

Introduction: The program is designed to train the production employees in First Aid.

**Minimum of 4 Learners,
Maximum of 10 people per course**

Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.

Certification
Theoretical assessments 80% pass rate
Practical Assessment
We recommend a re-certification every 2 years

Minimum entry requirements:

**Duration: 2 Days
Credits:**

Course Outline

- Introduction
- Emergency scene management
- Rescue breathing
- Shock
- Bleeding and wounds
- Neck and spine immobilization and transportation
- Burns
- Thermal stress
- Positioning
- Medical emergencies

SAFE WORK PROCEDURES

Introduction: The program is designed to train all operators and production employees to be able to operate the machine and work correctly, safely and to understand the functions as prescribed by the National Code of Practice	Minimum of 4 Learners, Maximum of 10 people per course
Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.	Certification Theoretical assessments 80% pass rate Practical Assessment We recommend a re-certification every 2 years
Minimum entry requirements:	Duration: 1 Days Credits:
<u>Course Outline</u> <ul style="list-style-type: none">• Introduction• Work systems and controls measures• Load stiffing equipment and practices• Work place access and general safety• Work location and general safety• Personal protective equipment (PPE)• Training and instruction• Legal requirement	

LOCK OUT PROCEDURES

<p>Introduction: The program is designed to train all operators and production employees to be able to operate the machine and work correctly, safely and to understand the functions as prescribed by the National Code of Practice</p>	<p>Minimum of 4 Learners, Maximum of 10 people per course</p>
<p>Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.</p>	<p>Certification Theoretical assessments 80% pass rate Practical Assessment We recommend a re-certification every 2 years</p>
<p>Minimum entry requirements:</p>	<p>Duration: 1 Days Credits:</p>
<p><u>Course Outline</u></p> <ul style="list-style-type: none"> • Introduction • General responsibilities • Factors to consider when locking out equipment • Lockout procedures • Preparation • Machine or equipment shutdown and isolation • Application of lock out/tagout • Verification of isolation • Lockout/tagout interruption • Release from lockout/tagout • General lockout recommendations for servicing • Lockout for hydraulic systems 	

PEELER OPERATOR

Introduction: The program is designed to train the peeler operator to be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice	Minimum of 4 Learners, Maximum of 10 people per course
Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.	Certification Theoretical assessments 80% pass rate Practical Assessment We recommend a re-certification every 2 years
Minimum entry requirements:	Duration: 5 Days Credits:
<u>Course Outline</u> <ul style="list-style-type: none">• Introduction• Collecting all prescribed setting up tools and equipment• Inspecting tools and equipment• Setting up the peeler equipment• Setting up procedure• Operating the peeler equipment• Safe operating procedure• Controlling throughput and quality• Perform routine maintenance and lubrication	

VENEER DRYER OPERATOR

Introduction: The program is designed to train the veneer dryer operator to be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice	Minimum of 4 Learners, Maximum of 10 people per course
Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.	Certification Theoretical assessments 80% pass rate Practical Assessment We recommend a re-certification every 2 years
Minimum entry requirements:	Duration: 5 Days Credits:
<u>Course Outline</u> <ul style="list-style-type: none">• Introduction• Collecting all prescribed setting up tools and equipment• Inspecting tools and equipment• Setting up the veneer dryer• Setting up procedure• Operating the veneer dryer• Safe operating procedure• Controlling throughput and quality• Perform routine maintenance and lubrication	

VENEER GUILLOTINE OPERATOR

Introduction: The program is designed to train the veneer guillotine operator to be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice

**Minimum of 4 Learners,
Maximum of 10 people per course**

Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.

Certification
Theoretical assessments 80% pass rate
Practical Assessment
We recommend a re-certification every 2 years

Minimum entry requirements:

**Duration: 5 Days
Credits:**

Course Outline

- Introduction
- Collecting all prescribed setting up tools and equipment
- Inspecting tools and equipment
- Setting up the veneer guillotine
- Setting up procedure
- Operating the veneer guillotine
- Safe operating procedure
- Controlling throughput and quality
- Perform routine maintenance and lubrication

VENEER GRADING SPECIFICATIONS

Introduction: The program is designed to train how to grade veneer correctly, safely and to understand the functions as prescribed by the National Code of Practice	Minimum of 4 Learners, Maximum of 10 people per course
Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.	Certification Theoretical assessments 80% pass rate Practical Assessment We recommend a re-certification every 2 years
Minimum entry requirements:	Duration: 5 Days Credits:
<u>Course Outline</u> <ul style="list-style-type: none">• Introduction• Grading rules• Dimensional tolerance of veneer• Veneer moisture content• Flattening of veneers• General veneer requirements• Fattening burls veneers	

VENEER PATCHER OPERATOR

<p>Introduction: The program is designed to train the veneer patcher operator to be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice</p>	<p>Minimum of 4 Learners, Maximum of 10 people per course</p>
<p>Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.</p>	<p>Certification Theoretical assessments 80% pass rate Practical Assessment We recommend a re-certification every 2 years</p>
<p>Minimum entry requirements:</p>	<p>Duration: 5 Days Credits:</p>
<p><u>Course Outline</u></p> <ul style="list-style-type: none"> • Introduction • Collecting all prescribed setting up tools and equipment • Inspecting tools and equipment • Setting up the veneer patcher • Setting up procedure • Operating the veneer patcher equipment • Safe operating procedure • Controlling throughput and quality • Perform routine maintenance and lubrication 	

CORE SAW OPERATOR

Introduction: The program is designed to train the core saw operator to be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice	Minimum of 4 Learners, Maximum of 10 people per course
Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.	Certification Theoretical assessments 80% pass rate Practical Assessment We recommend a re-certification every 2 years
Minimum entry requirements:	Duration: 5 Days Credits:
Course Outline <ul style="list-style-type: none">• Introduction• Collecting all prescribed setting up tools and equipment• Inspecting tools and equipment• Setting up the core saw equipment• Setting up procedure• Operating the core saw equipment• Safe operating procedure• Controlling throughput and quality• Perform routine maintenance and lubrication	

GLUE SPREADER OPERATOR

Introduction: The program is designed to train the glue spreader operator to be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice

**Minimum of 4 Learners,
Maximum of 10 people per course**

Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.

Certification
Theoretical assessments 80% pass rate
Practical Assessment
We recommend a re-certification every 2 years

Minimum entry requirements:

**Duration: 5 Days
Credits:**

Course Outline

- Introduction
- Collecting all prescribed setting up tools and equipment
- Inspecting tools and equipment
- Setting up the glue spreading equipment
- Setting up procedure
- Operating the glue spreading equipment
- Safe operating procedure
- Controlling throughput and quality
- Perform routine maintenance and lubrication

VENEER LAY UPS OPERATION

Introduction: The program is designed to train the veneer lay ups operation to be able to lay-up veneers correctly, safely and to understand the functions as prescribed by the National Code of Practice

**Minimum of 4 Learners,
Maximum of 10 people per course**

Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.

Certification
Theoretical assessments 80% pass rate
Practical Assessment
We recommend a re-certification every 2 years

Minimum entry requirements:

**Duration:5 Days
Credits:**

Course Outline

- Introduction
- Veneer laminating requirements
- Loose and tight slopes of veneer
- Moisture content of veneers and substrate prior to laminating
- Gluing process
- Types of glue used for veneering
- Requirements for gluing
- Requirements for bond quality
- Problems related to gluing and pressing veneer delamination

GLUE MIXER OPERATOR

Introduction: The program is designed to train the glue mixer operator to be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice

**Minimum of 4 Learners,
Maximum of 10 people per course**

Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.

Certification
Theoretical assessments 80% pass rate
Practical Assessment
We recommend a re-certification every 2 years

Minimum entry requirements:

**Duration: 5 Days
Credits:**

Course Outline

- Introduction
- Collecting all prescribed setting up tools and equipment
- Inspecting tools and equipment
- Setting up the glue mixer
- Setting up procedure
- Operating the glue mixer equipment
- Safe operating procedure
- Controlling throughput and quality
- Perform routine maintenance and lubrication

PRE-PRESSING OPERATOR

Introduction: The program is designed to train the pre-pressing operator to be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice

**Minimum of 4 Learners,
Maximum of 10 people per course**

Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.

Certification
Theoretical assessments 80% pass rate
Practical Assessment
We recommend a re-certification every 2 years

Minimum entry requirements:

**Duration: 5 Days
Credits:**

Course Outline

- Introduction
- Collecting all prescribed setting up tools and equipment
- Inspecting tools and equipment
- Setting up the pre-pressing equipment
- Setting up procedure
- Operating the pre-pressing operator
- Safe operating procedure
- Controlling throughput and quality
- Perform routine maintenance and lubrication

BOARD PRESS OPERATOR

Introduction: The program is designed to train the board press operator to be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice

**Minimum of 4 Learners,
Maximum of 10 people per course**

Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.

Certification
Theoretical assessments 80% pass rate
Practical Assessment
We recommend a re-certification every 2 years

Minimum entry requirements:

**Duration: 5 Days
Credits:**

Course Outline

- Introduction
- Collecting all prescribed setting up tools and equipment
- Inspecting tools and equipment
- Setting up the board pressing equipment
- Setting up procedure
- Operating the board pressing equipment
- Safe operating procedure
- Controlling throughput and quality
- Perform routine maintenance and lubrication

BOARD TRIMMING OPERATOR (Panel sizer)

Introduction: The program is designed to train the board trimming operator to be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice

**Minimum of 4 Learners,
Maximum of 10 people per course**

Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.

Certification
Theoretical assessments 80% pass rate
Practical Assessment
We recommend a re-certification every 2 years

Minimum entry requirements:

**Duration: 5 Days
Credits:**

Course Outline

- Introduction
- Collecting all prescribed setting up tools and equipment
- Inspecting tools and equipment
- Setting up the board trimming (panel sizer) equipment
- Setting up procedure
- Operating the board trimming (panel sizer) equipment
- Safe operating procedure
- Controlling throughput and quality
- Perform routine maintenance and lubrication

SANDER OPERATOR

Introduction: The program is designed to train the sander operator to be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice

**Minimum of 4 Learners,
Maximum of 10 people per course**

Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.

Certification
Theoretical assessments 80% pass rate
Practical Assessment
We recommend a re-certification every 2 years

Minimum entry requirements:

**Duration: 5 Days
Credits:**

Course Outline

- Introduction
- Collecting all prescribed setting up tools and equipment
- Inspecting tools and equipment
- Setting up the sanding equipment
- Setting up procedure
- Operating the sanding equipment
- Safe operating procedure
- Controlling throughput and quality
- Perform routine maintenance and lubrication

PLYWOOD GRADING

Introduction: The program is designed to train how to grade plywood correctly, safely and to understand the functions as prescribed by the National Code of Practice

**Minimum of 4 Learners,
Maximum of 10 people per course**

Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.

Certification
Theoretical assessments 80% pass rate
Practical Assessment
We recommend a re-certification every 2 years

Minimum entry requirements:

**Duration: 5 Days
Credits:**

Course Outline

- Introduction
- Primary use of plywood
- Manufacturing process
- Modulus of Elasticity and Modulus of Rapture (MOE & MOR) for plywood
- Fire rating of material
- Insulation testing
- Visual & mechanical grading
- Relevant grading rules/standards
- Grade stamp
- Strapping equipment, materials and methods

LOG SCALING

Introduction: The program is designed to train the log yard employees to be able to scale logs correctly, safely and to understand the functions as prescribed by the National Code of Practice

**Minimum of 4 Learners,
Maximum of 10 people per course**

Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.

Certification
Theoretical assessments 80% pass rate
Practical Assessment
We recommend a re-certification every 2 years

Minimum entry requirements:

**Duration: 3 Days
Credits:**

Course Outline

- Introduction
- Theory and principals of log scaling
- Defects- deduction methods
- Log defects and deductions
- Special scaling requirements
- Check scaling
- Use of international log rules
- Other forms of measurement

PANEL SAW OPERATOR

Introduction: The program is designed to train the panel saw operator to be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice

**Minimum of 4 Learners,
Maximum of 10 people per course**

Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.

Certification
Theoretical assessments 80% pass rate
Practical Assessment
We recommend a re-certification every 2 years

Minimum entry requirements:

**Duration: 5 Days
Credits:**

Course Outline

- Introduction
- Collecting all prescribed setting up tools and equipment
- Inspecting tools and equipment
- Setting up the panel saw equipment
- Setting up procedure
- Operating the panel saw equipment
- Safe operating procedure
- Controlling throughput and quality
- Perform routine maintenance and lubrication

BANDSAW OPERATOR

Introduction: The program is designed to train the band saw operator to be able to operate the machine correctly, safely and to understand the functions as prescribed by the National Code of Practice	Minimum of 4 Learners, Maximum of 10 people per course
Target Group: All relevant Lumber milling production employees as required per production needs without previous certification but able to read and write.	Certification Theoretical assessments 80% pass rate Practical Assessment We recommend a re-certification every 2 years
Minimum entry requirements:	Duration: 5 Days Credits:
<u>Course Outline</u> <ul style="list-style-type: none">• Introduction• Collecting all prescribed setting up tools and equipment• Inspecting tools and equipment• Setting up the bandsaw equipment• Setting up procedure• Operating the bandsaw equipment• Safe operating procedure• Controlling throughput and quality• Perform routine maintenance and lubrication	