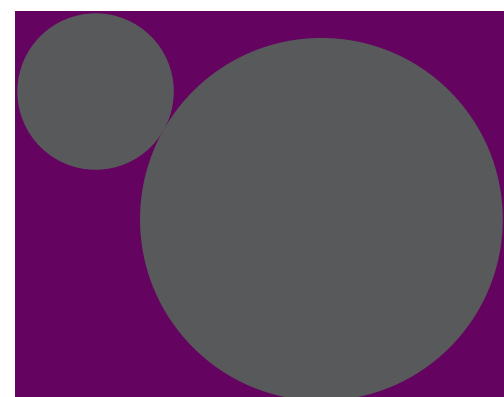
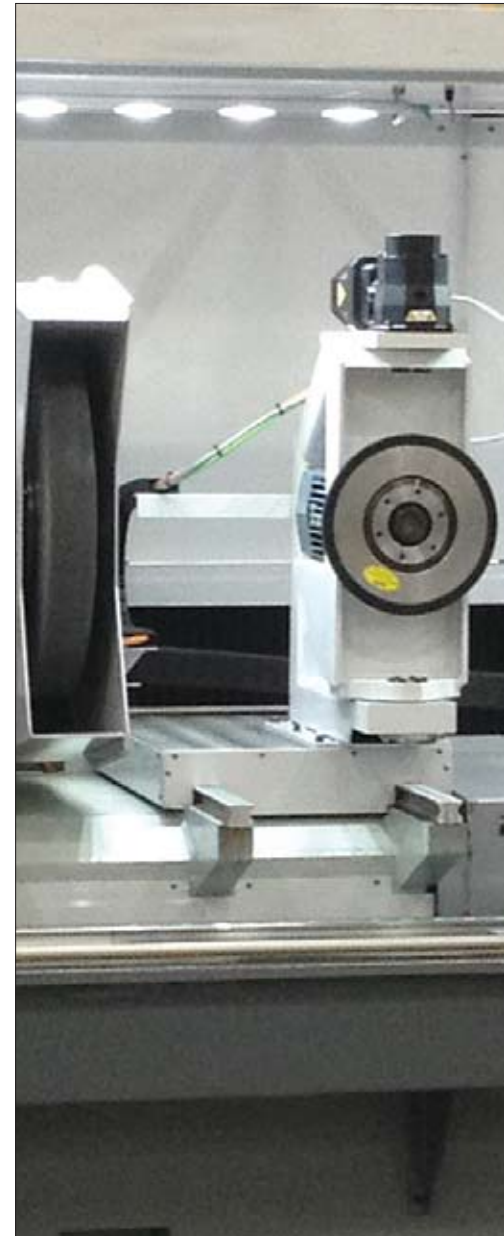


# Fully Automated Rubber Roll Grinding Machines

**RGD** series





## Fully Automated Rubber Roll Grinding Machines

*“Total Solutions”, with ‘user centred design’ concept maximising operational and commercial value. The future of rubber roll grinding is here; NOW*

The RGD series of fully automated rubber roll grinding machines provides a complete range of CNC controlled machines for the grinding and grooving of medium to large rubber rolls required for a wide range of applications.

The ‘user centred design’ concept has been developed around a simplified user friendly CNC interface to enable easy set up for fully automatic machining of rolls.

A range of optional extras complete the package to maximize productivity and production management. Set up is quick and easy for simple to complex roll profiles and grooving patterns, eliminating the need for highly skilled machinists.

**RGD** series



### Typical machine arrangement

**RGD600 x 3000** Maximum Diameter 600mm, Maximum Length 3000mm  
 X1 = Large diameter grinding head  
 X2 = High speed grooving wheel (A-Axis)

**RGD600 x 4000** Maximum Diameter 600mm, Maximum Length 4000mm  
 X1 = Large diameter grinding head  
 X2 = High speed grooving wheel (B-Axis)

**RG1250 x 3000** Maximum Diameter 1250mm, Maximum Length 3000mm  
 X1 = Large diameter grinding head  
 X2 = Grinding Belt

### Roll Profiles (grinding)

- Parallel
- Camber
- Taper
- Step Taper
- Multi Camber
- Chamfer (end of roll facing)
- Radial Grooving

### Roll Profiles (grooving)

- Linear Groove
- Diamond pattern
- Chevron
- Spreader

# Features, Advantages & Benefits



## Features

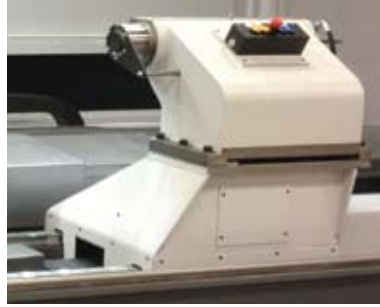
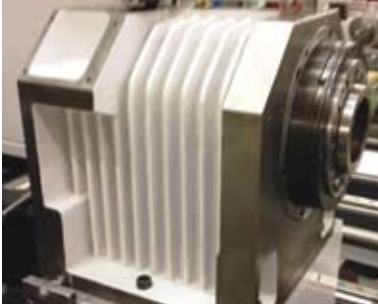
Heavily ribbed stress relieved fabrication/  
Linear guideways

## Advantages

Robust low friction stable grinding platform.

## Benefits

Long lasting stable platform giving consistent accurate results.



## Features

Cast Iron Headstock housing a precision spindle with 80mm internal bore.

## Advantages

Accurate reliable rotation of the Roll.

## Benefits

Long lasting stable platform giving consistent accurate results.

Powered movement of the tailstock with automatic hydraulic clamps. Hydraulically powered quill.

Easy loading and unloading of the component.

Faster production rates.



## Features

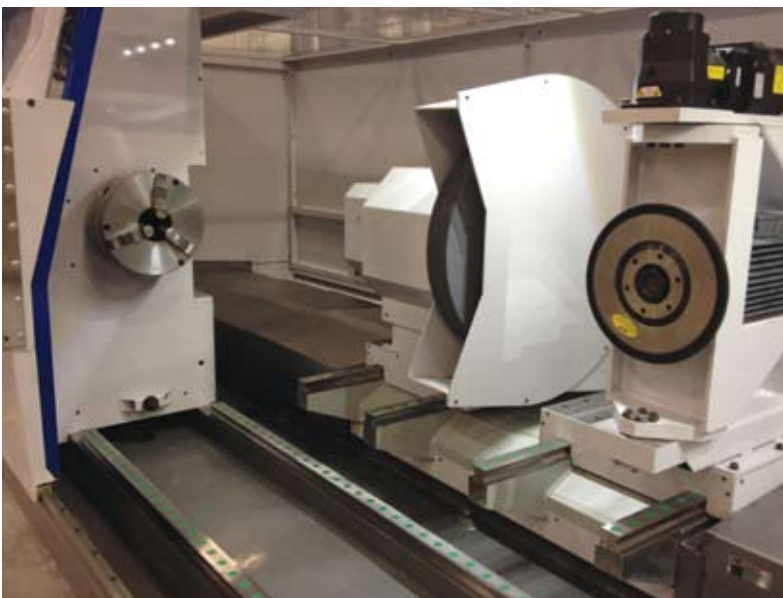
Fully enclosed/interlocked guard with dust extraction.

## Advantages

Meets H&S requirements. Protects the operator and working environment. Keeps the area dust free.

## Benefits

Clean safe working area. Compliant with H&S legislation.



## Features

Dual fully programmable X-Axes.

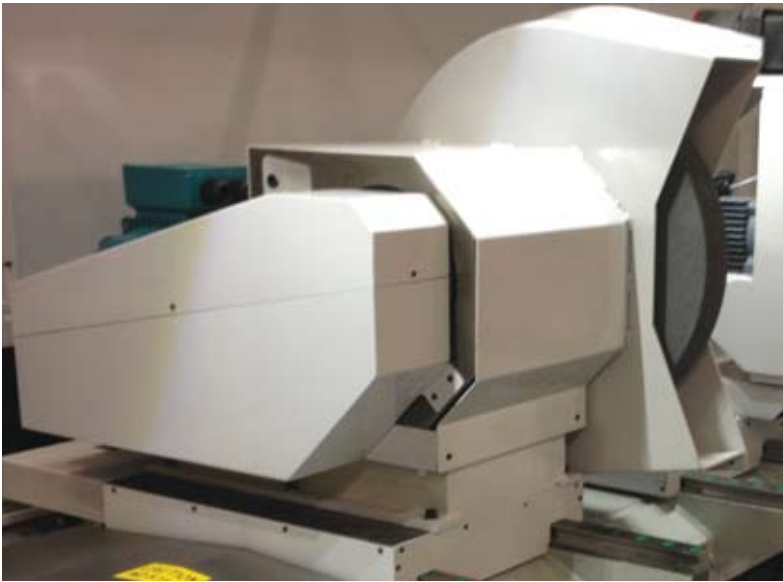
## Advantages

Enables fast interchange of a variety of grinding heads.

## Benefits

Flexible manufacture on a single machine.

# Features, Advantages & Benefits



Large Diameter Grinding Wheel

## Features

A combination of grinding heads to select from.

## Advantages

Multi purpose machine.

## Benefits

Flexible manufacture on a single machine.



Auto indexing Grooving Wheel

## Features

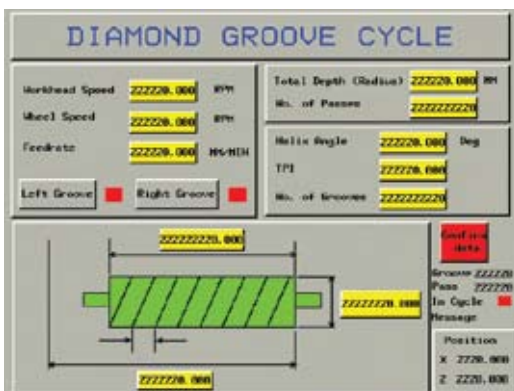
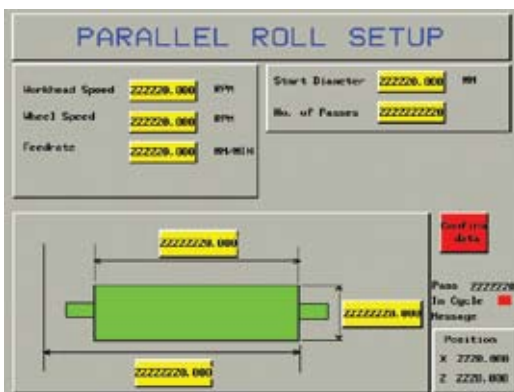
Graphical User Interface.

## Advantages

Instant recognition of the roll profile. Easy to understand.

## Benefits

Simple visual display that's easy to understand and enter roll data.



# Features, Advantages & Benefits



## Features

Manual controls.

Handwheel.

## Advantages

Allows the operator to easily move the machine around for test cuts etc.

Allows the operator greater control of the machine in manual mode.

## Benefits

Saves time.

Easier manual operation.

