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RGP 600 series

ROLL GRINDER *plus* GROOVER

The RGP series is supplied complete with a full range of industry standard roll grinding and simple grooving profiles.

For more complex groove profile requirements, we recommend our RGD series of Duplex grinders which offer greater versatility and the ability to program more complex profiles.

CAPACITY:

600 mm in diameter and 2m up to 6m in length - or any length with HNC Custom.

23.62 inch in diameter and 6.56ft up to 19.68ft in length - or any length with HNC Custom

The RGP Series is an advanced roll grinder specifically designed for the efficient **Grinding** of all roll profiles **Plus** the light duty **Grooving** of simple patterned rolls at a very affordable price.

The RGP series can automatically complete grinding and simple profile grooving without moving product from machine to machine. **High speed grinding plus grooving** heads are front and rear mounted on a single cross slide allowing fast and accurate progression between operations without disturbing the work piece. This optimisation of workflow results in significant production efficiencies.

A **mist coolant system** keeps grinding surface cool and reduces dust keeping machine clean while dust extraction is fitted both at front and rear of the machine.

A **hydraulically powered quill movement** enables rapid and effortless loading and unloading of large components. The RGP is available in length configurations from 2m to 6m.

A choice of **tungsten carbide grinding wheel, stone, or vitrified grinding wheel** of up to 800mm (31.5 inch) in diameter can be fitted on the spindle.



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Grinding plus Grooving





RGP 600 series Roll Grinder +

ROLL GRINDER *plus* GROOVER

Available Models:

- RGP600x2m RGP600x5m
- RGP600x3m RGP600x6m
- RGP600x4m

Capacity	RGP600x2m	RGP600x3m	RGP600x4m	RGP600x5m	RGP600x6m
Grind Wheel Diameter	350 mm	350 mm	350 mm	350 mm	350 mm
Grinding Motor Speed / Power	5880 Rpm / 8 Kw	5880 Rpm / 8 Kw	5880 Rpm / 8 Kw	5880 Rpm / 8 Kw	5880 Rpm / 8 Kw
Grooving Motor Speed / Power	5880 Rpm / 5 Kw	5880 Rpm / 5 Kw	5880 Rpm / 5 Kw	5880 Rpm / 5 Kw	5880 Rpm / 5 Kw
Headstock Speed / Power	TBA	TBA	TBA	TBA	TBA
Maximum Roll Diameter	600 mm (extreme 650 mm)	600 mm (extreme 650 mm)	600 mm (extreme 650 mm)	600 mm (extreme 650 mm)	600 mm (extreme 650 mm)
Distance Between Centres	2000 mm	3000 mm	4000 mm	5000 mm	6000 mm
Swing Over The Cross Slide	700 mm	700 mm	700 mm	700 mm	700 mm
Maximum Grinding Length	2100 mm	3200 mm	4200 mm	5200 mm	6200 mm

Headstock	Spindle Nose – A1-11 Spindle Bore – 104 mm Floor to spindle centre – 1310 mm
Tailstock	Quill Travel – 220 mm Quill Diameter – 150 mm Quill Taper – MT6

General Information	RGP600x2m	RGP600x3m	RGP600x4m	RGP600x5m	RGP600x6m
Overall Length	5100 mm	6300 mm	7500 mm	8700 mm	9900 mm
Overall Width	2520 mm	2520 mm	2520 mm	2520 mm	2520 mm
Overall Height	2000 mm	2000 mm	2000 mm	2000 mm	2000 mm

Standard Grinding Profiles:	Parallel, Cambered (Crowned), Taper (Straight Taper), Step Taper (Trapezoidal)
Standard Grooving Profiles:	Linear (Horizontal), Radial (Circumferential), Diamond, Helix (Spiral), Spreader (Chevron), Herringbone
Standard CNC Controller:	Fanuc Oi-TF
Custom Profiles:	<i>Available as Standard On All Models</i>
Manual Operation:	<i>Available as Standard On All Models</i>
HNC Connect: Remote Support from HNC	<i>Available as an Option On All Models</i>

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ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE. E&OE

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