

## RGC SERIES

### TECHNICAL SPECIFICATIONS

		RGC 650	RGC 1000	RGC 1400	RGC 1600	RGC 2000	RGC 2500
Min. grinding diameter	mm in	10 0.4	100 3.9	200 7.9	250 9.8	400 15.7	700 27.6
Max. grinding diameter	mm in	650 25.6	1000 39.4	1400 55	1600 63	2000 78.7	2500 98.4
Distance between centres	mm in	4000 157.5	4000 157.5	4000 157.5	4000 157.5	4000 157.5	6000 236
Max. roll weight (on steady rests)	kg lb	8000 17,600	30,000 66,000	50,000 110,000	80,000 176,000	130,000 286,000	200,000 440,000
Wheel size	mm in	750x304.8x100 29.5x12x3.9	915x304.8x100 36x12x3.9	915x304.8x100 36x12x3.9	915x304.8x100 36x12x3.9	915x304.8x100 36x12x3.9	1060x304.8x120/100 41.7x12x4.7/3.9
Wheel motor power	kW HP	51 68	51 68	51/60 68/80	71/100 95/134	71/100 95/134	100 134
Workpiece motor power	kW HP	29 39	29 39	55 73.7	55/71 73.7/95	71/100 95/134	130 174
Max. peripheral speed	m/s ft/min	45 8858	45 8858	45 8858	45 8858	45 8858	45 8858
X-axis travel	mm in	600 23.6	600 23.6	700 27.6	800 31.5	1000 39.4	1100 43.3
Z-axis travel (standard)	mm in	4000 157.5	4000 157.5	4000 157.5	4000 157.5	4000 157.5	6000 236
Feeds X (continuous)	mm/min in/min	0.01-1 0.0004-0.04	0.01-1 0.0004-0.04	0.01-1 0.0004-0.04	0.01-1 0.0004-0.04	0.01-1 0.0004-0.04	0.01-1 0.0004-0.04
X (intermittent)	mm in	0.001 0.00004	0.001 0.00004	0.001 0.00004	0.001 0.00004	0.001 0.00004	0.001 0.00004
Z	mm/min in/min	10-6000 0.4-236	10-6000 0.4-236	10-6000 0.4-236	10-6000 0.4-236	10-6000 0.4-236	10-6000 0.4-236

### STANDARD FEATURES

- For straight, convex, concave and CVC profile rolls machining
- Rigid construction, high precision and efficiency
- Counterways lined with anti-friction material
- Constant grinding wheel peripheral speed
- Ball screws for linear motions or rack-pinion drive with backlash free mechanism
- Hydrostatic wheel spindle
- Dynamic wheel balancing
- HEIDENHAIN measuring system
- REXROTH/PARKER/ATOS hydraulic components
- SIEMENS AC servo motors, PLC and electrics
- SIEMENS SINUMERIK 840D sl
- Centralized control panel
- Centralized lubrication system
- Telescopic steel covers for grinding wheel bed guideways

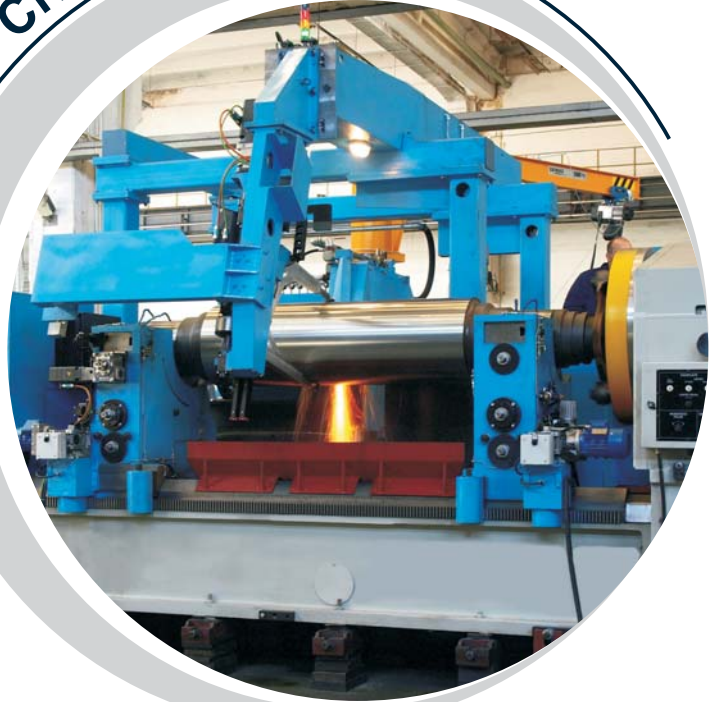
### TRAVELS

- X-axis - cross slide
- Z-axis - saddle

### STANDARD ACCESSORIES

- Static wheel balancing device
- Wheel dressing device
- Motorized steady rests (lateral movement)
- Automatic roll alignment system on steady rest
- Roll measuring system
- Coolant system with magnetic and paper filtration
- Devices for machine alignment
- Grinding wheel with flanges
- Splash guards

## RGC CNC Series



### VERSIONS

- Extended distances between centres - 6000/8000/10,000/12,000 mm (236/315/394/472 in)
- In-chocks BUR grinding, including automatic roll alignment
- 120 mm (4.7 in) width of the grinding wheel
- Grinding head tilting (B-axis)
- Choice of motors, hydraulic components, CNC controls

### OPTIONAL EQUIPMENT \*

- Additional wheel flange
- Set of workpiece centres (60°, 70°, 90°)
- Centres grinding device
- Turning device
- Roll defect control system (Eddy current and/or ultrasonic)
- Jib crane for wheel changing
- Soft loader
- Grinding of the WR with chocks
- Axial displacement of the faceplate, to ensure automatic coupling for roll rotation