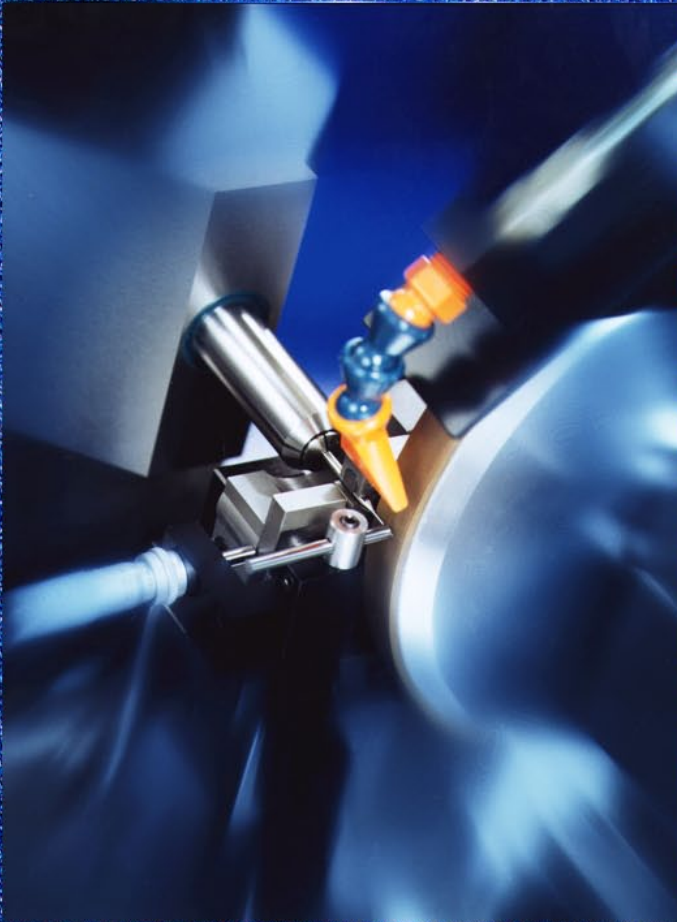


R P G



**ROLLOMATIC
R.P.G. PLUNGE GRINDER**

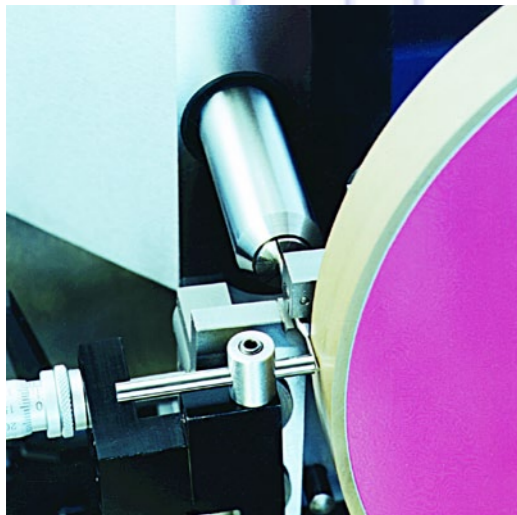
Ø0.2-6.35mm(.008-.25")

ROLLOMATIC

ROLLOMATIC RPG PLUNGE GRINDER



Easy access to all machine parts for quick setup and use. Compact with very low noise level. During operation, the totally enclosed grinding area allows for wet grinding to obtain higher quality surface finish. Tool diameter adjustments achieved in complete safety, without cycle interruption. User friendly instruction manual includes preventive maintenance information and mechanical/electrical prints.



Rollomatic shank guidance system with "V" block and pressure finger guarantees perfect blank geometry. Roundness less than $1\mu\text{m}$ (.00004"), T.I.R in the area of 1 to $2\mu\text{m}$ (.00004"-.00008"). Adjustable steadyrest for tool support with spring adjustable tension to eliminate deflexion and vibrations. Steadyrest follows the tool diameter with micrometric adjustable positive stop.

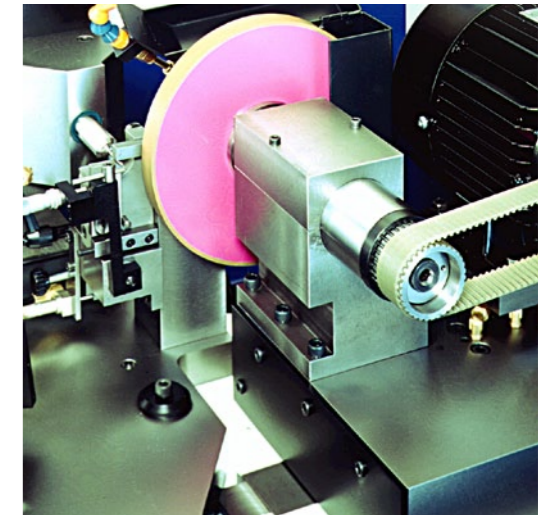
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UNIQUE TOOL GUIDANCE SYSTEM FOR
PERFECT ROUNDNESS AND T.I.R.
WHEEL DRESSING ON THE SPINDLE FOR
EXCELLENT SURFACE FINISH AND
LONGER WHEEL LIFE.
AUTOMATIC LOAD / UNLOAD IN
LESS THAN SIX SECONDS.
IDEAL FOR PRECISION CARBIDE
& HSS BLANKS
 $\text{Ø } 0.2$ (.008") TO 6.35 MM (.25").

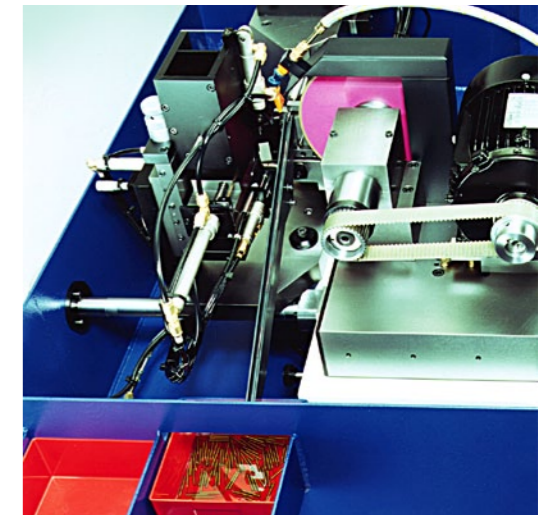
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The new Rollomatic RPG plunge grinder is designed for the blank preparation of precision cutting tools and punches. Allows for both roughing and finishing operations. The automatic loader and the precise design make it ideal for unattended production of tight tolerance parts. Short setup and cycle times, together with up to 98% up time, make the Rollomatic RPG plunge grinder a very economical production machine.

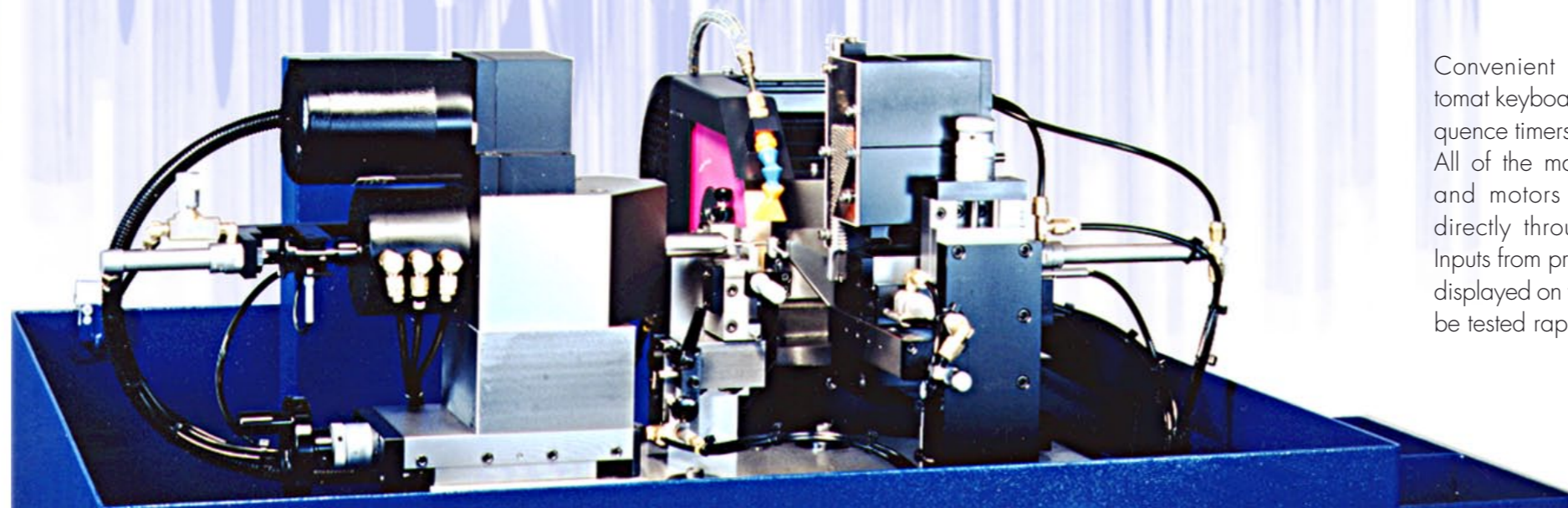
Grinding spindle is easily removable for perfect grinding wheel dressing on the spindle, for longer wheel life and better surface finish. Workhead rotation adjustable with frequency converter (150–800 rpm). Easy adjustment of grinding length in increments of 0.01 mm (.0004"). Grinding feed hydraulic, adjustable. Positive end stop repeatability, less than $1\mu\text{m}$ (.00004").



Automatic "V" magazine loader, adjustable with micrometric screws. Very fast load/unload, approximately 5 seconds. Unloads into plastic chute to prevent breakage. Finished tools easily collected outside grinding area, without opening hood. In automatic production, very tight diameter control within $3\mu\text{m}$ (.0001").



Convenient programmable automat keyboard easily controls sequence timers and spark-out time. All of the machine's movements and motors can be activated directly through the keyboard. Inputs from proximity switches are displayed on the automat and can be tested rapidly.



R.P.G. SPECIFICATIONS

DIAMETER RANGE	0.2 – 6.35 MM (.008" – .25")
SHANK DIAMETER	1.0 – 6.35 MM (.040" – .25")
OVERALL LENGTH	30 – 60 MM (1.18" – 2.36")
GRINDING WHEEL	Ø 200 MM (8")
GRINDING	WITH OIL
COLLET	SCHAUBLIN TYPE B8
GUIDE	V BLOCK WITH PRESSURE FINGER
SPINDLE	Ø 60 MM (2.36")
GRINDING MOTOR	1.5 KW (2.1 HP)
WORKHEAD	150 – 800 RPM
LOADING	V MAGAZINE, 500 PIECES Ø 3.175 MM (1/8") *OPTION : 1.0 – 6.35MM (.040 – 1/4")
PRODUCTIVITY	EX: Ø 1.0 MM (.040") FROM 3.175 MM (1/8"): 90 – 120 PIECES/HOUR
OPTION	OIL TANK 160 LITERS (42 GAL), 40 LT/MIN (10 GAL/MIN)
DIMENSIONS (W X D X H)	1.1 X 0.8 X 1.3 M (280 X 204 X 330")
WEIGHT	600 KG (1323 LB)
COLOR	BASE : BLUE RAL 5002 / HOOD : WHITE



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