

**Elektra-evo serie 1018 MPC/CNC**  
**Elektra-evo serie 1023 MPC/CNC**

Elektra-evo series 1018/1023, a line of universal grinding machines available in various configurations, with reduced overall dimensions and low costs, and yet ensuring always high precision, safety, quality and reliability.

In a single setup, it can perform the whole gamut of cylindrical and taper grinding operations (external, offset external, face and internal grinding).

The extensive range of optional equipment, including electronic in-process gauges, open or closed steady-rests, workpiece supports and workpiece handling and clamping fixtures can satisfy any grinding requirement.

Thanks to its small size and outstanding capabilities, Elektra-evo 1018/1023 is ideal for high precision die, tool and fastener grinding, as well as for one-off jobs and small to medium-size production runs.

<b>ELEKTRA-evo</b>		<b>1018</b>	<b>1023</b>
<b>Nominal ratings:</b>	<b>mm</b>	<b>1000</b>	
<b>Max. distance between centres</b>			
<b>Max. grinding length with LH wheel at 0° / RH wheel at 30°</b>	<b>mm</b>	<b>1000 / 760</b>	
<b>Height of centres</b>	<b>mm</b>	<b>180</b>	<b>230</b>
<b>Max. grinding diameter</b>	<b>mm</b>	<b>350</b>	<b>450</b>
<b>Max. weight between centres</b>	<b>Kg</b>	<b>120 (250)*</b>	
<b>Machine weight, without accessories</b>	<b>Kg</b>	<b>6500</b>	
<b>Wheelhead:</b>			
<b>Max. left / right wheels dimensions for external grinding (diameter x thickness x bore)</b>	<b>mm</b>	<b>508 x 80 (100)* x 203,2</b>	
<b>Wheel peripheral speed for external grinding</b>	<b>m/s</b>	<b>50</b>	
<b>Standard range of revolutions (internal grinding spindle)</b>	<b>rpm</b>	<b>10000 ÷ 30000</b>	
<b>Angular swivelling system</b>		<b>Manual (MPC) Automatic B-Axis (CNC)</b>	
<b>Max. swivelling angle allowed</b>	<b>degrees</b>	<b>-20° ÷ +195°</b>	
<b>X-axis traverse feed unit and Z-axis longitudinal feed unit:</b>	<b>degrees</b>	<b>90°</b>	
<b>Relative angle between X and Z axes slideways</b>			
<b>Max. stroke axes X / Z</b>	<b>mm</b>	<b>350 / 1180</b>	
<b>Longitudinal table swivelling</b>	<b>degrees</b>	<b>0° ÷ +9°</b>	
<b>Workhead (rotating spindle and drive plate): Internal / external taper attachment</b>	<b>rpm</b>	<b>Morse 5 / ASA 5</b>	
<b>Speed range variation</b>	<b>rpm</b>	<b>10 ÷ 800</b>	
<b>Max. weight of chucked workpiece at 100 mm from spindle nose</b>	<b>kg</b>	<b>100</b>	
<b>Tailstock manual (automatic)*: Internal taper attachment</b>		<b>Morse 4</b>	
<b>Max. quill stroke</b>	<b>mm</b>	<b>35</b>	

**(\*) Technical variant**

**All weights, measurements and sizes described are not binding. We reserve the right to make all the modifications deemed necessary without previous notice.**