

E-SLIDE



SPLINE ROLLING MACHINES AND HIGH-PRECISION PROFILE ROLLING MACHINE

PRECISION IN PERFECTION

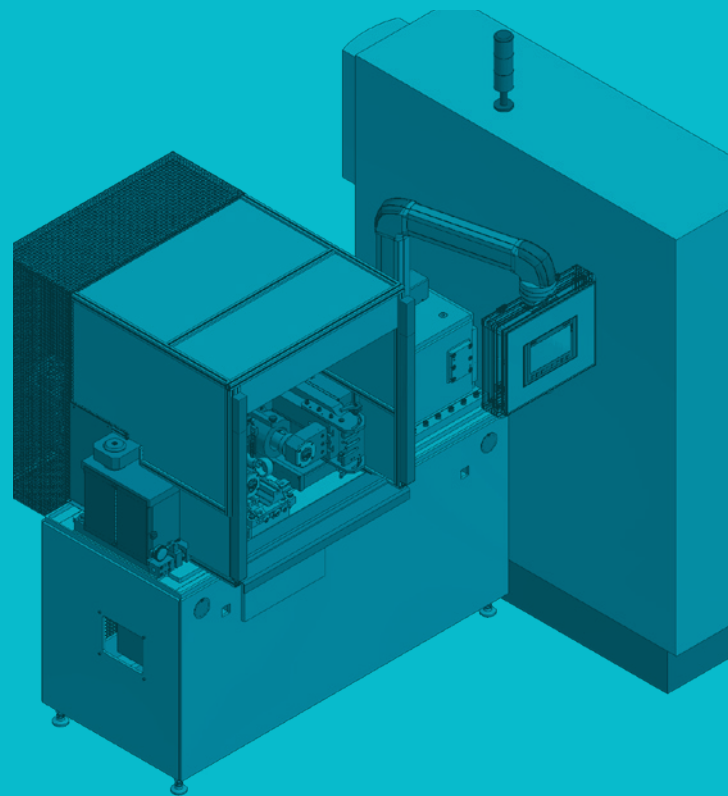
The E-Slide is the high-precision counterpart to the UPW series. It is the ideal solution for spline rolling and complex profile geometries, enabling exact positioning and interval rolling with maximum accuracy.

The roll spindles are driven by servo-controlled AC direct drives with high-precision gear units, completely eliminating the need for cardan shafts. All drives are electronically synchronized and can be aligned to each other via the operator interface with micrometer-level accuracy. Rolling operations with variable speeds, programmable start/stop sequences, and segmented rolling cycles can be freely configured.

The E-Slide is available as either a single-slide or double-slide machine. Both versions utilize servo-driven direct drives, transmitting power to the thread rolling system through backlash-optimized gear units. This design allows flexible adjustment of position, speed, dwell time, and rolling force — entirely without a hydraulic system. The result: enhanced precision, superior repeatability, and excellent thermal stability.

From frame size 30 onward, an optional support bearing carriage system is available to significantly simplify roll changes. The E-Slide is offered in three sizes: E-Slide 15, E-Slide 30, E-Slide 45. A comprehensive range of workpiece holding systems and automation solutions — from bin-picking to orderly stacking — completes the portfolio.

E-Slide – the machine for the highest quality standards.



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E-Slide 15

Rolling force, stepless via	
Electric Power Drive	Max. 150 kN
Tool diameter	Max. 220 mm
Tool width	Max. 200 mm
Roller spindle diameter	54 / 69,85 mm
Roller spindle speed	0 - 80 rpm
Slide stroke per slide	100 mm, stepless
Feed rate	0,1 - 45 mm/s, stepless
Rolling time	0,1 - stepless
Workpiece diameter	2 - 40 mm
Connecting load	Approx. 35 kW
Net weight	Approx. 2,700 kg

E-Slide 30

Rolling force, stepless via	
Electric Power Drive	Max. 300 kN
Tool diameter	Max. 300 mm
Tool width	Max. 220 mm
Roller spindle diameter	69,85 / 80 mm
Roller spindle speed	0 - 60 rpm
Slide stroke per slide	150 mm, stepless
Feed rate	0,1 - 35 mm/s, stepless
Rolling time	0,1 - stepless
Workpiece diameter	3 - 50 mm
Connecting load	Approx. 50 kW
Net weight	Approx. 5,800 kg

E-Slide 45

Rolling force, stepless via	
Electric Power Drive	Max. 450 kN
Tool diameter	Max. 340 mm
Tool width	Max. 250 mm
Roller spindle diameter	80 / 100 mm
Roller spindle speed	0 - 50 rpm
Slide stroke per slide	200 mm, stepless
Feed rate	0,1 - 24 mm/s, stepless
Rolling time	0,1 - stepless
Workpiece diameter	5 - 70 mm
Connecting load	Approx. 65 kW
Net weight	Approx. 6,500 kg

