



smartLine

SURFACE, PROFILE AND CREEP FEED GRINDING MACHINE



WORK PIECES UP TO
2000 × 750 × 900 MM [L × W × H]



THE NEW STANDARD IN PRECISION GRINDING

- ✓ Modular design
- ✓ High spindle power & rigidity
- ✓ CD Grinding possible
- ✓ Numerous software modules
- ✓ Multi-axes machining (up to 6 axes)
- ✓ Customization possible

THE MODULAR CONCEPT SOLVES EVERY GRINDING TASK



smartLine – THE UNIVERSAL SURFACE, PROFILE AND CREEP FEED GRINDING MACHINE

- ✔ Modular design for individual demands with a variety of options
- ✔ Customization possible
- ✔ High rigidity and spindle power for profile and creep feed grinding
- ✔ Mineral cast for high thermal stability; environmentally friendly through cold moulding process
- ✔ Three available table drive systems: hydraulic cylinder, belt drive and ball screw, can be combined with V/flat & linear guideways
- ✔ Dressing devices: Straight line, profile and NC-form dresser, swivelling dressing unit
- ✔ Three available controls: xpressCube, xpressCube Pro, Sinumerik 840D
- ✔ User-friendly software modules
- ✔ Multi-axes machining up to 6 rotational axes and 10 CNC-axes
- ✔ Powerful cooling systems for oil and emulsion



CNC swivel dresser with disc



Tilt dressing unit with 3 diamonds



Head mounted diamond roll dressing unit

TECHNICAL DATA

smartLine	N	BD	BL
Drive system	HYD/KGT/ZRT*	HYD/KGT/ZRT*	HYD/KGT
Grinding width [mm]	400	600	750
Grinding length [mm]	600/1000/1500	600/1000/1500/2000	1000/1500/2000
Distance spindle center to table [mm]	650/700/900/1150	700/900/1150	700/900/1150
Spindle power [kW]	5,5/9/10/22/37/52		
Spindle cone [mm]	36/60/75/90		
Grinding wheel [mm]	300 × 50 (400/500 × 100)	400 (500) × 100	

ZRT = Belt drive; HYD = Hydraulic cylinder; KGT = Ball screw

* Depending on weight and work piece

GET IN TOUCH WITH US TODAY
TOGETHER WE WILL FIND A SOLUTION
FOR YOUR REQUIREMENTS

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