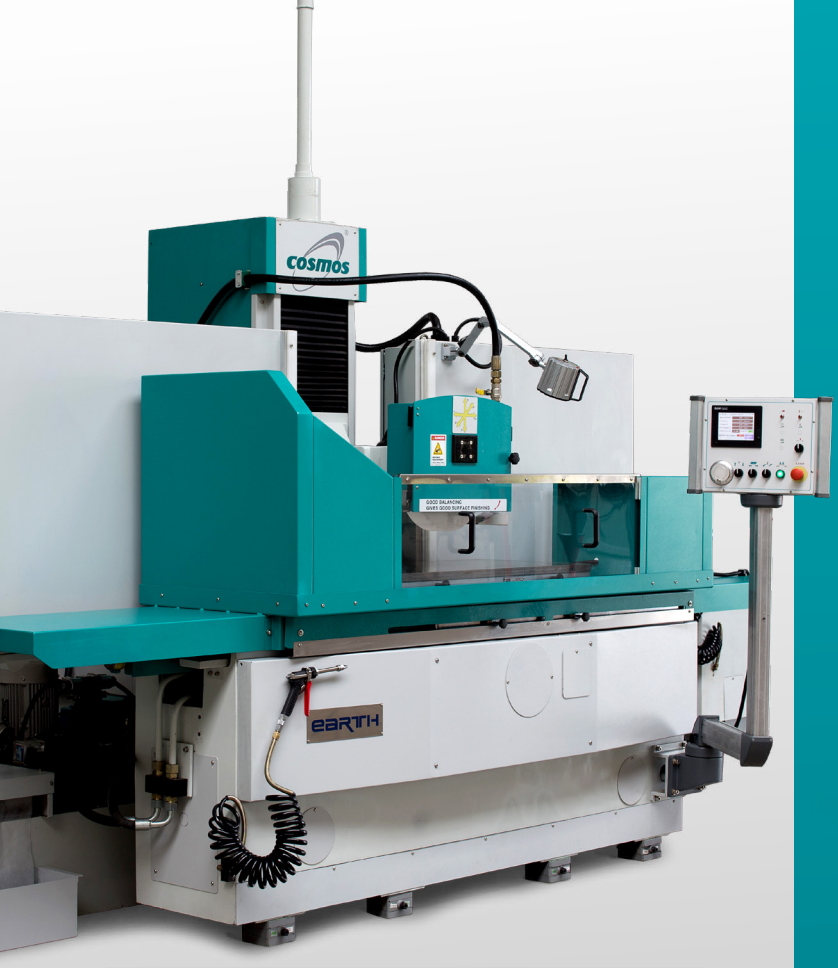
COSMOS precision grinding machines

A COST-EFFECTIVE SOLUTION FOR THE MOST DEMANDING REQUIREMENTS.

wmi-werkzeugmaschinen.de

WMI
WERKZEUGMASCHINEN IMPORT



The **COSMOS Earth** E 1050 NC

- User-friendly NC control
- Automatic grinding cycle
- Surface and plunge grinding
- Automatic and manual straight dressing with compensation
- Diamond dresser mounted left on table
- Logical program run via HMI touch screen
- Manual grinding with electronic handwheel infeed possible
- Variable grinding spindle speeds pre-selectable
- Precision ball screw in Y + Z axis
- Electro-magnetic chuck with adhesive force control
- Coolant system with paper-belt filter
- External maintenance-friendly hydraulics

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We at WMI Werkzeugmaschinen GmbH can offer our customers high-quality, high-precision grinding machines. As the exclusive trading partner of COSMOS Impex PVT. LTD., we supply customers in Germany and throughout Europe with the technologically proven, high-precision machine tools of the Indian quality manufacturer. Its working relationship with renowned companies from all over the world and compliance with the high standards of the European market make COSMOS the perfect partner when it comes to offering a wide range of cost-effective grinding machines for the most demanding requirements.

Gain an overview of our surface and rotary table surface grinding machines here and get to know WMI Werkzeug-maschinen GmbH's latest range of products. In addition to the machines listed here, we also supply CNC profile grinding machines of the very latest generation – contact us!

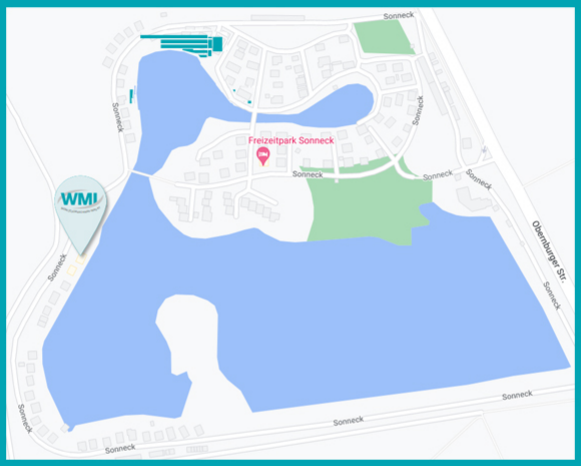
Diamond dresser and grinding wheel

Digital control panel

Types (flat table)		E 7040 NC	E 1050 NC	V 1570 NC	V 2070 NC linear
Grinding area	mm	700 X 400	1000 X 500	1500 X 700	2000 X 700
Longitudinal traverse X	mm	750	1100	1600	2100
Cross traverse Z	mm	405	530	730	730
Distance table/spindle centre line	mm	525	650	650	650
Max. table load	kg	350	600	1050	2000
Spindle and grinding wheel					
Spindle motor	kW	3.7	7.5	11	11
Pre-selectable speeds	rpm	500 – 3000	500 – 3000	500 – 3000	500 – 3000
Max. cutting speed	m/sec.	35	35	35	35
Grinding wheel	mm	300/40/76.2	350/65/127	400/100/127	400/100/127
Speeds					
Table speed	m/min	1 – 28	1 – 28	1 – 28	1 – 28
Min. vertical movement	mm	0.001	0.001	0.001	0.001
Min. cross movement	mm	0.001	0.001	0.001	0.001
Max. rapid traverse (cross) Z	mm/min	1200	1200	2000	2000
Miscellaneous					
Total power requirement	kW	7	12	20	25
Machine weight	kg	2500	4800	7500	10000
Machine dimensions	mm	2900/2450/2000	4800/2600/2300	6300/2850/2500	7000/2850/3000

Types (rotary table)		JR-800	JR-1000
Grinding area	mm	800	1000
Traversing path	mm	400	500
Distance table/spindle centre line	mm	650	650
Max. table load	kg	650	800
Spindle and grinding wheel			
Spindle motor	kW	11	11
Max. speed	rpm	500 – 3000	500 – 3000
Grinding wheel	mm	400 × 100 × 127	400 × 100 × 127
Speeds			
Table speed	rpm	10 ~ 80	10 ~ 80
Min. vertical movement	mm	0.001	0.001
Miscellaneous			
Total power requirement	kW	18	18
Machine weight	kg	6000	6800
Machine dimensions	mm	3550 × 3900 × 2900	3550 × 3900 × 2900

The **COSMOS JUPITER** JR-800NC



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