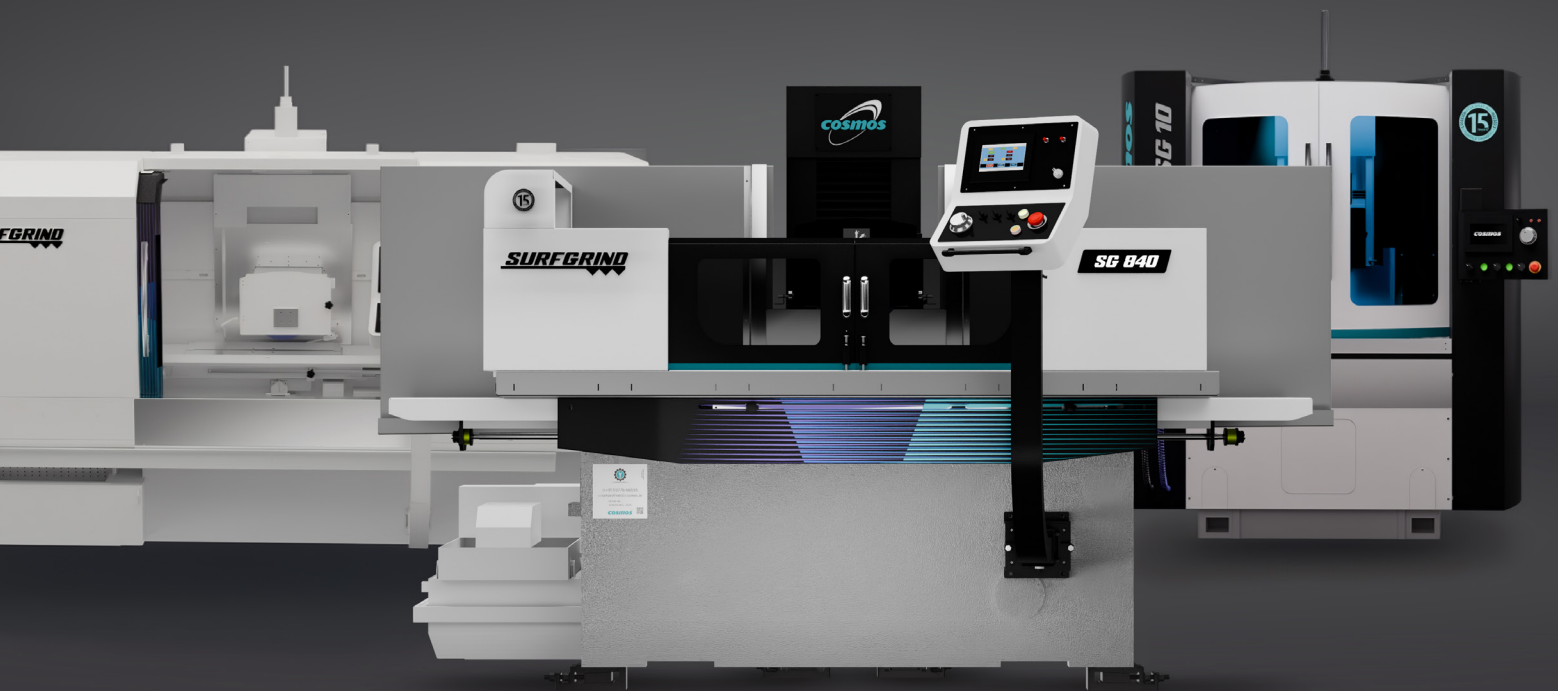




LANG SCHLEIFTECHNIK GmbH
Experience makes the difference.



COSMOS precision grinding machines

A cost-effective solution for the
most demanding requirements.

lang-schleiftechnik.com

COSMOS SG 1050



Overview
of COSMOS
machine
advantage

- Highest precision and process reliability
- Robust, durable construction
- Flexible configuration options
- Automatic grinding cycle
- User-friendly NC control, optionally with CNC control
- Surface and plunge grinding
- Various dressing options: diamond dresser on table or automatic straight dresser mounted on the wheelhead
- Intuitive program operation via touchscreen
- Variable grinding spindle speeds
- Precision ball screw in Y + Z axis
- Electro-magnetic chuck with adhesive force control
- Coolant system with paper-belt filter
- External maintenance-friendly hydraulics

Precision you can rely on >

Our machines stand for high-precision results and maximum reliability in daily operation. Thanks to stable and proven base designs, they ensure consistently high production quality – even under the most demanding conditions.

Efficiency meets performance >

With their excellent price-performance ratio, these machines are investments that pay off quickly.

Tailored to your requirements > Every production process is unique – that's why our machines can be flexibly configured to meet your specific needs. Whether special materials, complex processes, or industry-specific solutions: we provide the right equipment.

Get an overview of our surface and rotary table surface grinding machines and explore our current product range. In addition to the machines listed here, we also supply state-of-the-art CNC profile grinding machines. Feel free to contact us!



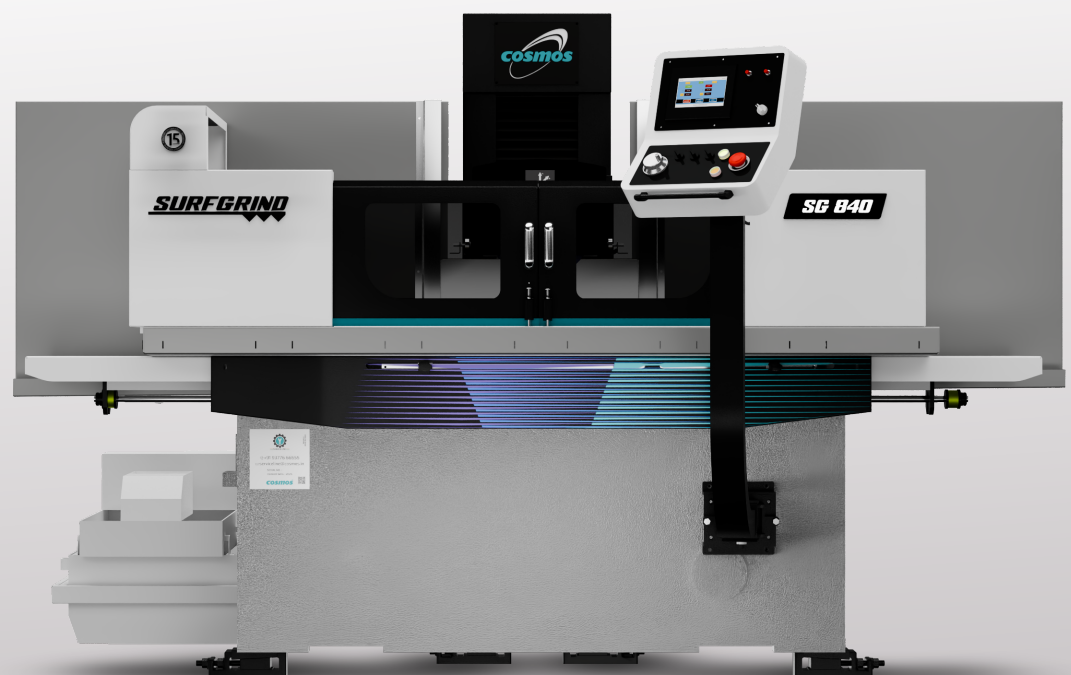
Diamond dresser and grinding wheel



Digital control panel

Surface grinding machines

Types (flat table)		SG 740	SG 840	SG 1050	SG 1570	SG 2070
Grinding area	mm	700 X 400	800 X 400	1000 X 500	1500 X 700	2000 X 700
Longitudinal traverse X	mm	750	900	1100	1600	2100
Cross traverse Z	mm	405	450	530	730	730
Distance table/ spindle centre line	mm	525	550	650	650	650
Max. table load	kg	350	400	600	1050	2000
Spindle and grinding wheel						
Spindle motor	kW	4,0	4,0	7,5	11	11
Pre-selectable speeds	rpm	500 – 3000	500 – 3000	500 – 3000	500 – 3000	500 – 3000
Max. cutting speed	m/sec.	35	35	35	35	35
Grinding wheel	mm	300/50/76,2	300/50/76,2	400/100/127	400/100/127	400/100/127
Speeds						
Table speed	m/min	1 – 28	1 – 28	1 – 28	1 – 28	1 - 28
Min. vertical movement	mm	0,001	0,001	0,001	0,001	0,001
Min. cross movement	mm	0,001	0,001	0,001	0,001	0,001
Max. rapid traverse (cross) Z	mm/min	2000	2000	2000	2000	2000
Miscellaneous						
Total power requirement	kW	7	7,5	12	20	25
Machine weight	kg	2500	3200	4800	7500	10000
Machine dimensions	mm	2900/2450/2000	3200/2450/2000	4020/2600/2300	6300/2850/2500	7000/2850/3000



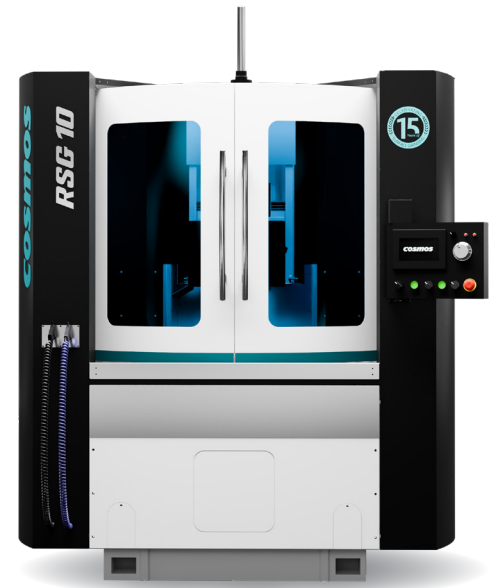
cosmos

SG 840

Rotary table grinding machines

Our rotary table surface grinding machines have proven themselves in the series production of small parts as well as in the efficient precision machining of rings and flanges.

Types (rotary table)		RSG 8	RSG 10
Grinding area	mm	800	1000
Cross traverse Z	mm	500	585
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 ~ 60	10 ~ 60
Min. vertical movement	mm	0,001	0,001
Miscellaneous			
Total power requirement	kW	18	18
Machine weight	kg	6000	6800
Machine dimensions	mm	2600 × 3900 × 3150	2600 × 3900 × 3150



COSMOS

RSG 10

Rely on a complete package of performance, quality, and efficiency. Together, we will find the right solution for you!

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Do you have any
questions or would
you like a
demonstration?

**Get in touch
with us!**



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