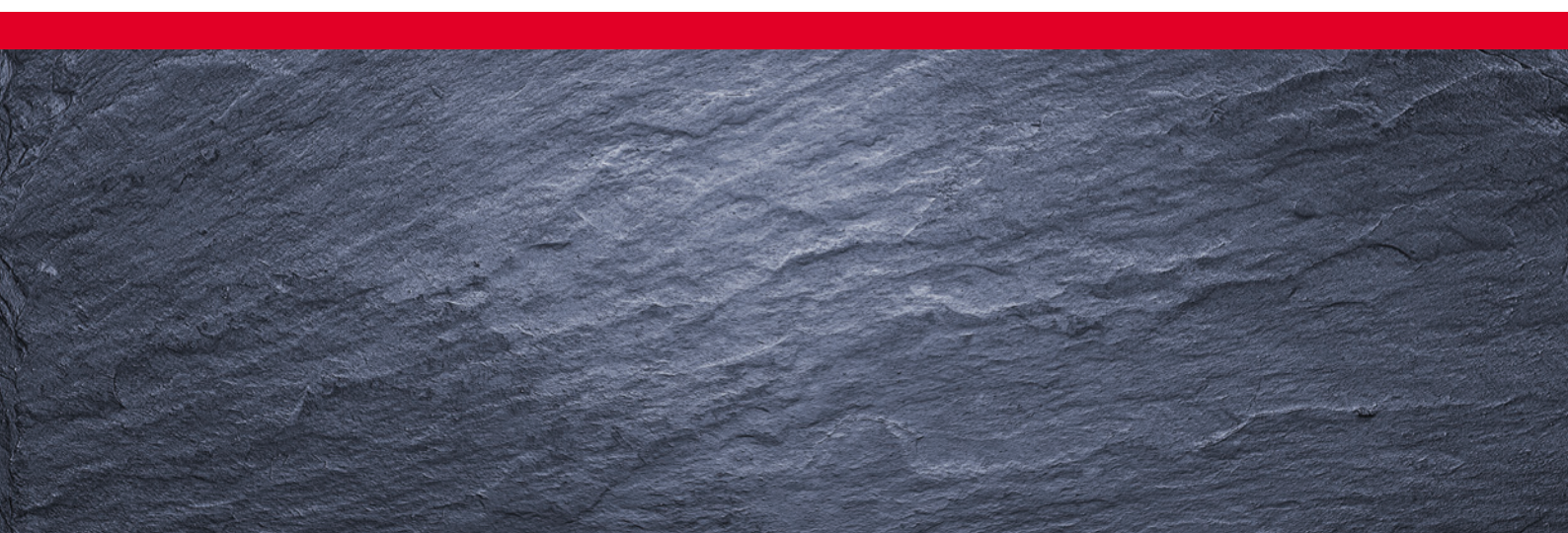


3-Wheels Flat Honing and Fine Grinding

Automatable – Highest precision – In-process measuring – Maximum flexibility



3-Wheels Flat Honing and Fine Grinding

FH3-505/805



Technical advantages

- Machine with 3 wheel-concept for shortest changing times
- Automatable
- Loading / unloading of work pieces during machining process
- Maximum production
- Flow cooling system of the working wheel
- Integrated computer-assisted measurement
- Mineral cast structure guarantees top thermal and mechanical endurance
- Incidental analysis by machine control
- Remote maintenance / tele diagnostic / online support
- Short changeover time

Technical data

For production of large series with **automation** is a stable machine required with high performance. Our machine series is designed for 24/7 production. Our Stahli machines FH3-505 and FH3-805 meets these requirements.



	FH3-505	FH3-805	
Working wheel diameter, external	534 mm	860 mm	
Carrier reference-Ø	180 mm (6)	285 mm(6) / 330 mm (5)	
Switch off precision	0.1 my	0.1 my	
Optimal work piece thickness	0.5 - 60.0 mm	0.5 - 80.0 mm	
Drives	upper spindle	9.5 kW	21 kW
	lower spindle	9.5 kW	21 kW
	centre drive	2.6 kW	6.7 kW
Speeds, cont. variable	Working wheels	0-400 min ⁻¹	0-400 min ⁻¹
	Centre drive	0-200 min ⁻¹	0-200 min ⁻¹
Workload upper spindle	0-1350 daN	0-2400 daN	
Pressure preset / ramps	at choice	at choice	
Types of workload	electrical cylinder	hydraulic cylinder	
Electrical equipment	3x400-480 Volt, 50/60 Hz	3x400-480 Volt, 50/60 Hz	
Machine colour standard	Pearl white RAL 1013 Vermillion RAL 2002	Pearl white RAL 1013 Vermillion RAL 2002	
Weight	6000 kg	11000 kg	
Dimensions	1700x3550x2300 mm	2150x4225x2685 mm	



- Carrier orientation communicated to automation system
- Equal placement of workpieces at «end of job»
- Automatic grinding wheel shape-measurement, display and correction
- Variable vibration dampening system

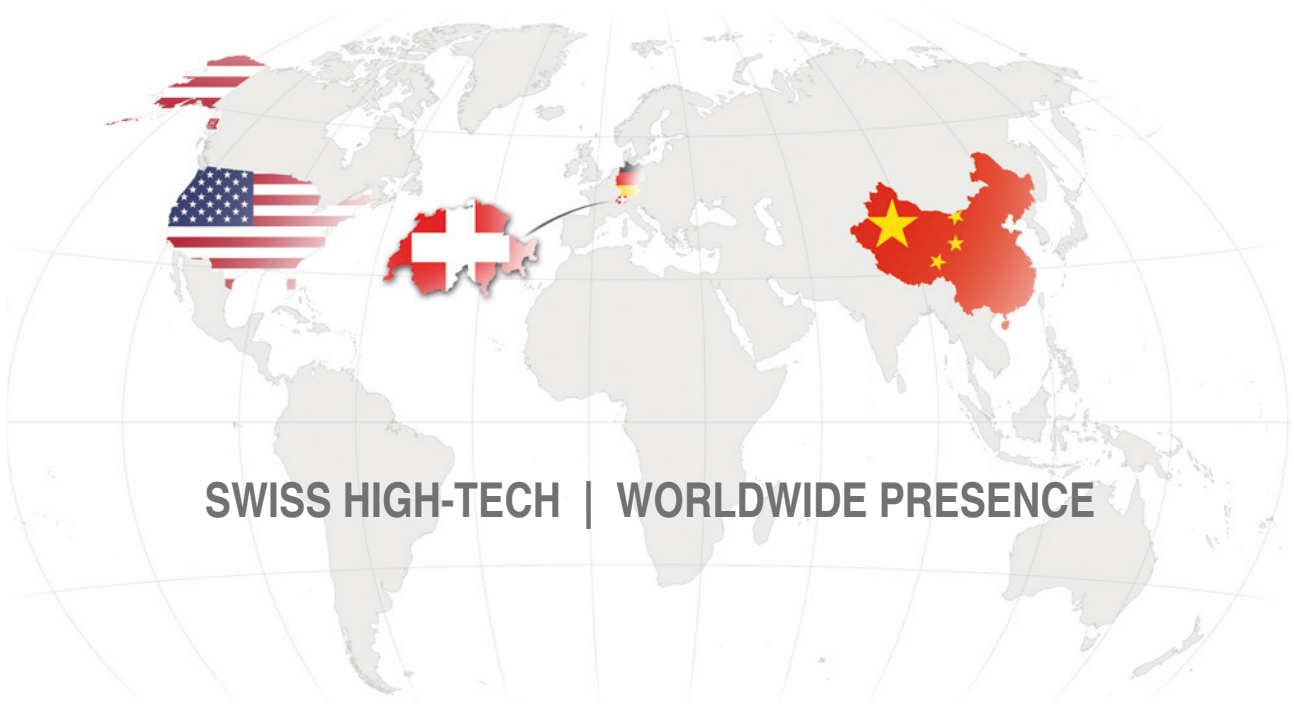
- Upper wheel slot clamping system
- Workpiece separation system on top and bottom wheel
- 25 mm measuring range for minimum set-up effort
- Wear-free direct drives, regenerative braking, high energy efficiency

We are one of the leading companies worldwide in the manufacture of flat honing, lapping and polishing machines. At our customers we are known just as much by our standard products as by custom-made and need-oriented special products.

This special know-how results from decades of experience from daily new assignments in contract work and the support of our expert and committed workforce. We are happy to pass on our know-how to our customers within the framework of contract

work, tests and complex or experimental project studies. Put to the test our reliability and innovative dynamism.

Further information may be obtained from the addresses listed or from our homepage.



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