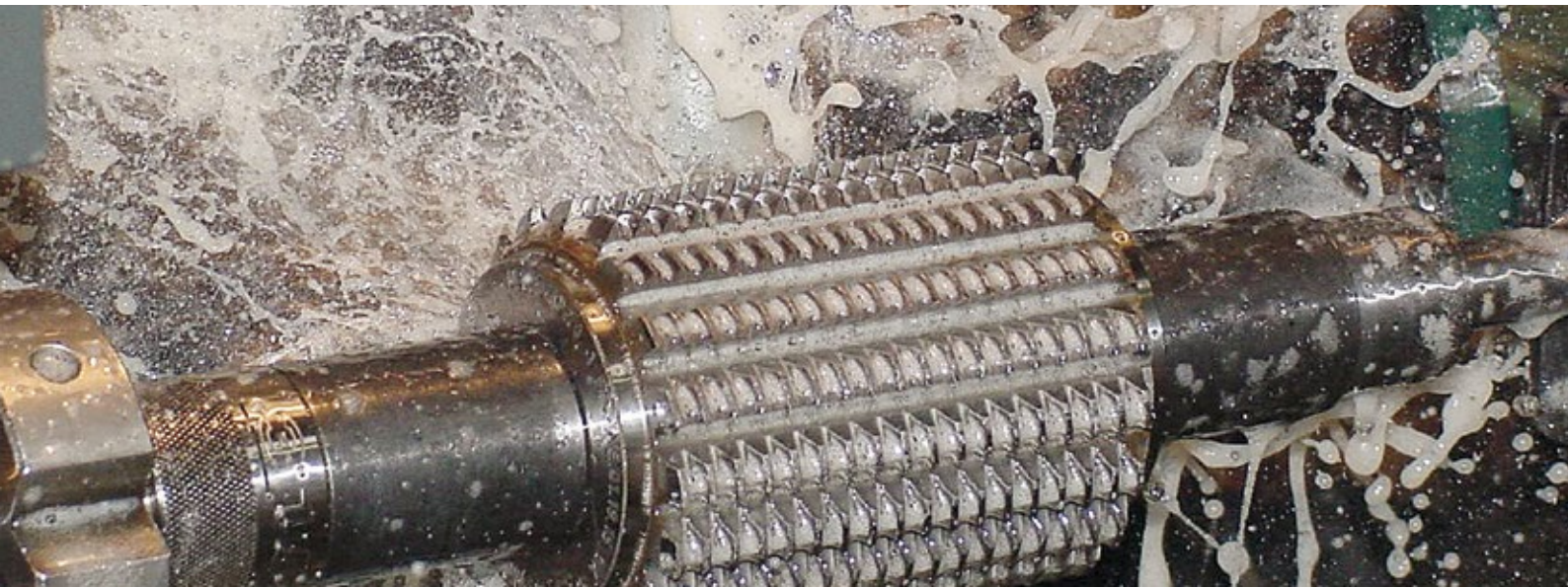




HRG 350

Profile grinding machine for hobs

Profile grinding machine for hobs HRG 350

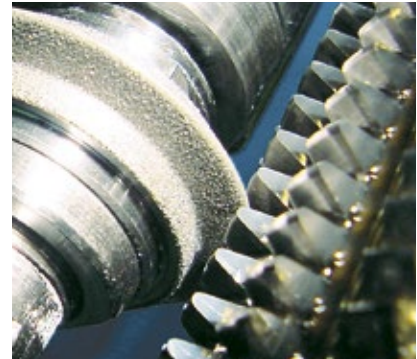
The Samputensili HRG 350 profile grinding machine for hobs is especially suited for the manufacturing of all kinds of different hob types including helical hobs and threads.

The machine guarantees top quality results with minimum cycle times.

Grinding methods:

- + Profile grinding
- + Creep feed grinding

The HRG 350 can accommodate all grinding wheels currently available on the market.



Grinding of hob profile



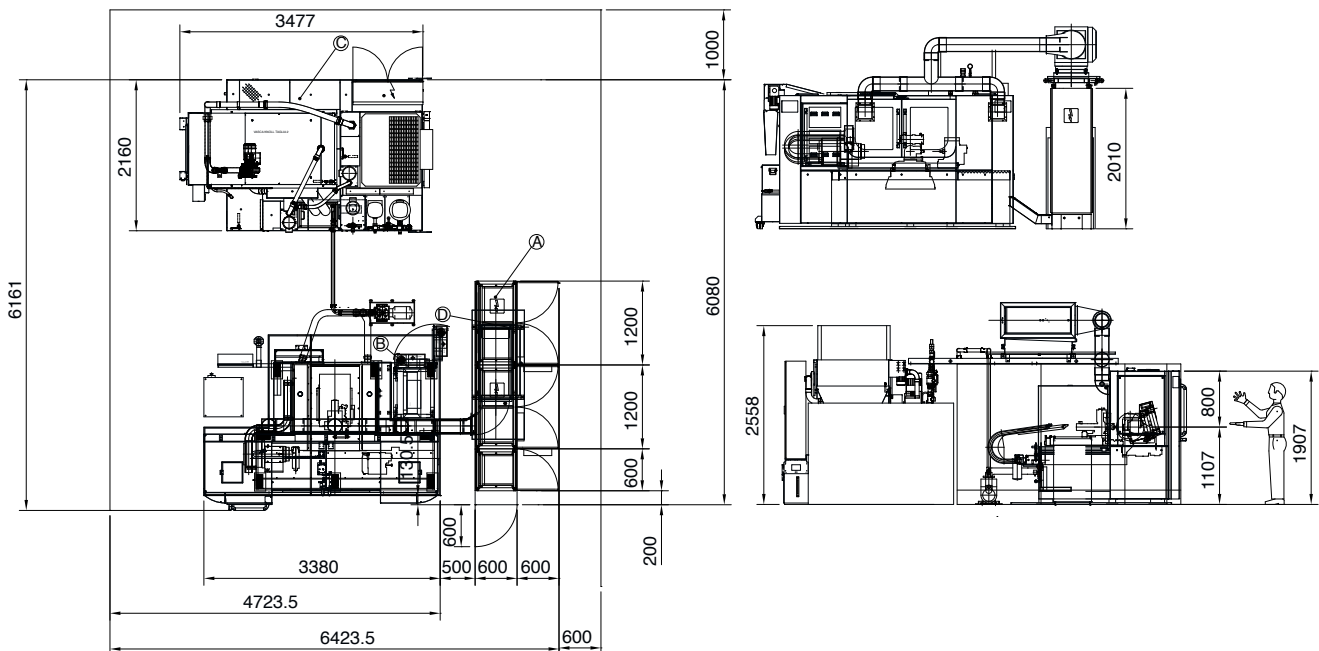
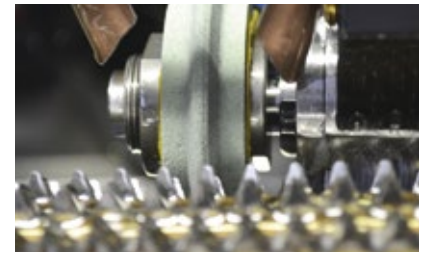
Technical data

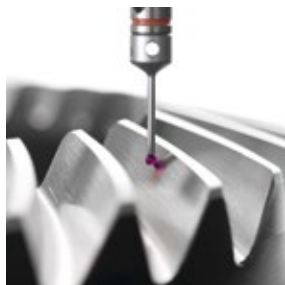
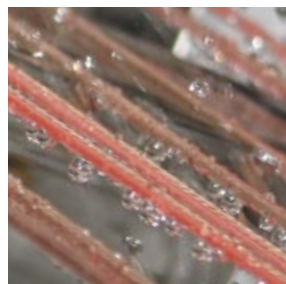
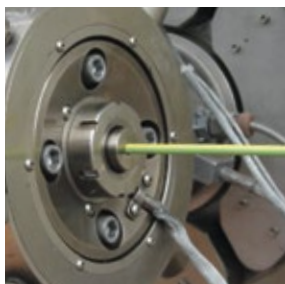
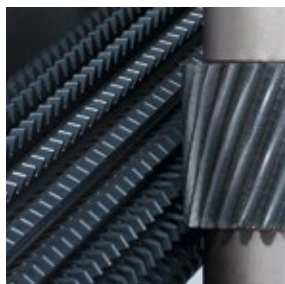
Hob diameter max.	mm	300
Module range (option)	m _n	0.6 - 10 (25)
Helix angle, max.	deg	+/- 45
Distance between centers, max.	mm	870
Length to be ground, max.	mm	450
Grinding wheel diameter range (relief and profile)	mm	35 - 100
Grinding wheel diameter (threads)	mm	200
Grinding spindle speed range	m/s	0 - 45
Work spindle speed, max.	rev/min	100
Stroke speed, max.	str/min	300
Connected power, max	kVA	83
Overall machine dimensions (without filter unit)	m	5.28 x 3.28 x 2.89

+ Siemens 840D CNC with mobile operator panel, 7 CNC axes, circular, linear interpolation of up to 4 axes. High-level geometric programming for the simple generation of profile and helix angle.

+ Samputensili dialogue software for the flexible generation of a practically infinite number of different hob profiles.

+ The X and Z axes are directly driven by digital linear motors with flat-prismatic guides. No mechanical transmission or backlash.





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