



K 160

Repowered

GEAR HOBBING MACHINE WITH FANUC® CNC

Combining the proven technology of Koepfer hobbing machines with industry-preferred FANUC® CNC for reliability to suit tomorrow's gear manufacturing needs, at a price to suit today's budget.

- Innovative hobbing machine for spur and helical gears, worm gears, and other tooth profiles.
- Updated with all-new FANUC® CNC package: servo motors, spindle motors, and electrical sub-panels.
- Superior dampening from composite epoxy bed ensures the highest possible static, dynamic, and thermal stability.
- Slant bed design for optimum strength and ergonomic position for operator access to the work area.
- Innovative tailstock design provides compensation for extreme cutting forces while maintaining axis and workpiece alignments.
- Optional features offering flexibility include:
 - Gantry automation system.
 - Auxiliary tool for deburring tools, steady rests, and special applications.
 - Re-hobbing (skiving) capability.
 - Timing of one gear to another gear on single workpiece or to an external or internal feature.



10 DP

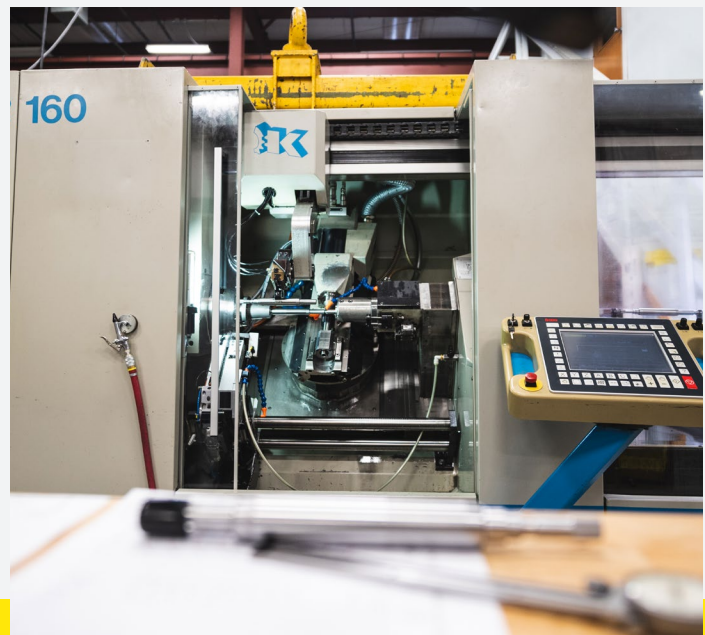
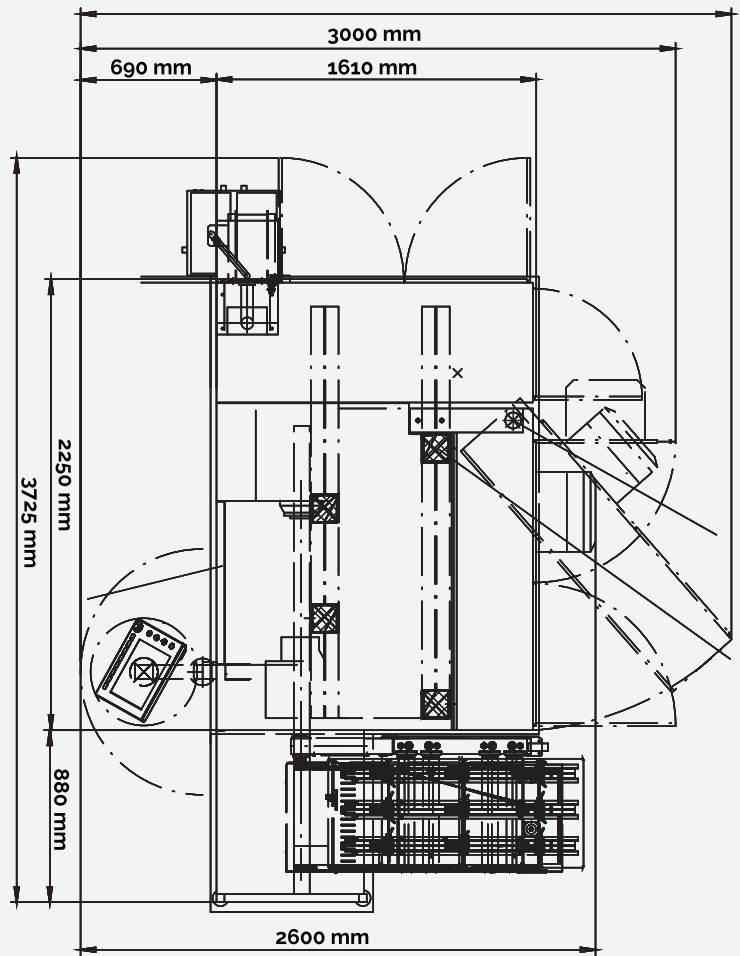
Max Pitch Rating

5,000

RPM Hob



WORKPIECE		K 160 Repowered metric/imperial	
Maximum module / diametral pitch	2.5 m _n	10.00 DP	
Minimum number of teeth	3 teeth		
Maximum workpiece diameter - manually loaded	140 mm	5.51 in	
Maximum workpiece diameter - manually loaded, long bed	100 mm	3.93 in	
Maximum workpiece diameter - automatically loaded	90 mm	3.54 in	
Minimum axial travel	200 mm	7.87 in	
Maximum axial travel - optional long bed	480 mm	18.89 in	
Maximum workpiece length - manually loaded	350 mm	13.78 in	
Maximum workpiece length - manually loaded, long bed	1,020 mm	40.157 in	
Maximum work piece length - automatically loaded	300 mm	11.81 in	
Maximum work piece length - automatically loaded, long bed	600 mm	23.62 in	
Center distance of work piece to cutter - minimum	0 mm	0 in	
Center distance of work piece to cutter - maximum	90 mm	3.54 in	
HOB HEAD			
Maximum cutter diameter	63 mm	2.48 in	
Maximum cutter length	120 mm	5.11 in	
Maximum cutter length - optional extended head	250 mm	9.84 in	
Maximum cutter width	100 mm	3.93 in	
Maximum cutter shift - optional extended head	160 mm	6.3 in	
Swivel range	-45° / +45°		



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