

# MIKRON



## HPM 1850U

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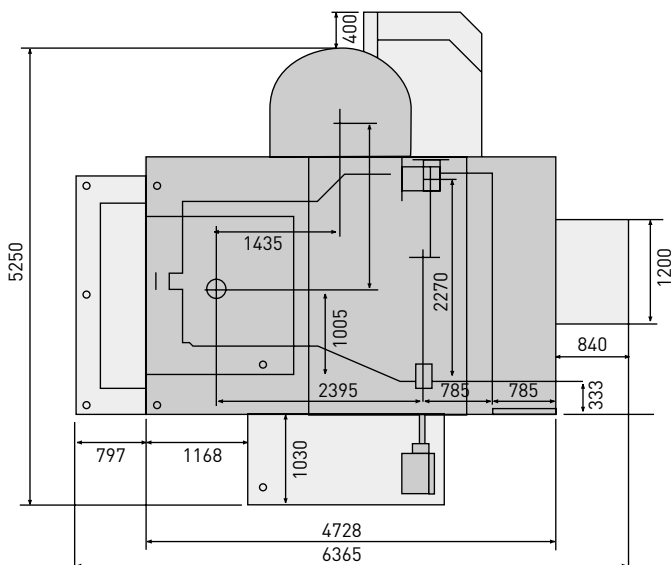


# HPM 1850U

## Description

The HPM 1850U is based on a portal design with traveling table. This machine is a high performance machining centre designed to fit the requirements of the die and mould industry, the machining of castings, parts for aeronautic and aerospace or various other manufacturing applications. Due to the rigid structure and the direct driven swivel and rotary axes the machine is equally suitable for heavy roughing and precise finishing.

Working Sector		HPM 1850U		
Longitudinal	X mm	1'850		
Transverse	Y mm	1'400		
Vertical	Z mm V / H	720 / 905		
High-performance motor spindle				
Maximum speeds	min <sup>-1</sup>	8'000	15'000	24'000
Spindle output at 40% ED/S6	kW	34	35	30
Interface		HSK 100	HSK A63	HSK A63
Feed Drives				
Rapid traverse rate X/Y/Z	m/min	40		
Work Table				
Table diameter	mm	1'600		
Maximum load	kg	4'000		
Speed	min <sup>-1</sup>	30		
Heidenhain Control				
Weight	kg	31'500		
Pallet changer (Option)				
Number of pallets	pcs	3		
Pallet size	mm	1'250 x 1'000		
Maximum load (automatic mode)	kg	1'500		
Direct load on pallet in machine	kg	3'000		
Pallet changing time	sec	< 40 sec.		



## Features

- Direct drive rotary table with hydraulic clamping
- Direct drive swiveling head with hydraulic clamping
- Powerful motor spindle
- 140° swiveling head
- Full machine enclosure
- Optimum chip flow
- Very high dynamics for 5 axis simultaneous milling

## Standard

- Operator-friendly workshop optimized iTNC 530 control unit with 15" TFT flat screen
- Ethernet connection
- Direct measuring systems
- Full machine enclosure
- Central lubrication on all axes
- Tool changer outside the working area

## Options

- Selection from motor spindles with 8'000, 15'000 or 24'000min<sup>-1</sup>
- Laser tool measuring
- Radio machine probe
- Trough spindle coolant unit
- Band filter
- Adaptive control

CE Our designs are subjected to ongoing changes to the latest requirements. Modifications may be made at any time. Informations given in this publications are not binding.