

# KUNARK HITECH MACHINING & SALES PVT.LTD.

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<b>Machine Id</b>	<b>:- 1169</b>	<b>Serial No</b>	<b>:-</b>
<b>Category</b>	<b>:- Gear Rack Cutting Machines</b>	<b>Model</b>	<b>:- ZFM 300H</b>
<b>Country</b>	<b>:- Germany</b>	<b>Make</b>	<b>:- Knapp</b>
<b>Type of Machine</b>	<b>:- Heavy Duty Rack Hobbing Cum Rack Milling</b>	<b>Year</b>	<b>:- 0</b>
<b>Weight</b>	<b>:- 0.0</b>	<b>Dimensions</b>	<b>:-</b>
<b>Power</b>	<b>:-</b>	<b>Location</b>	<b>:- Mumbai Warehouse,India</b>

### Specification :-

Type of machine **Rack Hobbing Cum Milling Machine**

Make **KNAPP**

Type **ZFM300H**

Year of manufacture 1980

Type of control conventional

Country of origin Germany

Delivery time immediately

### **Technical details**

hobbing length 2000mm

milling width mm

max. module 20

weight of the machine ca. 4,5 t

### **Additional information**

Max. length of rack 2000 mm  
Milling travel / milling width cross max. 400 mm  
Module, steel / cast iron 20m

Cutter , min./max 125 + 2 x cutting depth / 280 mm  
Cutter width max. floating / with support 50 / 140 mm  
Cutter mandrel max. 50 mm  
Milling spindle head, swivelling right / left 30 / 45 Ø°  
9 spindle speeds 22 - 136 rpm  
Milling slide swivelling right / left 30

Feeds, infinitely variable (milling slide) 0 - 600 mm/min  
Quick return 3,000 mm/min

Milling spindle drive 4 kW  
Total electrical load 6 kW - 380 V - 50 Hz  
Weight 4,500 mm

#### Accessories / Special Features

- \* Automatic milling cycle control via cam block with possibility of jump switching (= automatic by-pass of an area which should not be milled) and pendulum milling operation (= synchronized milling on the first half of table, and tool change on the second half).
- \* 2-parts hydraulic workpiece clamping device: 800 x 260 mm each (individually controlled by the pendulum milling operation).
- \* Heavy duty milling head with drive for milling speeds and flywheel.
- \* Manual fine adjustment of table (0.001 mm) for exact positioning in a pre-milled gear.
- \* Various change gears (approx. 10 pieces). \* 2 cutter mandrels. \* Various other accessories.
- \* Central lubrication. \* Built-in hydraulic unit. \* Coolant device with magnetic separator.
- \* Separate switch cabinet.

This machine is especially suitable for milling racks, and also for manufacturing broaching tools (relief milling is possible by swivelling the cutter head).