# KUNARK HITECH MACHINING & SALES PVT.LTD.

**Kunark House, 269, Kunark Marg, Kaman Bhiwandi Road, Kaman,**
**Vasai Road (East),Dist: Thane -401208, Maharashtra,India.**
**Mobile:(+91) 9867973046 Factory:0250-6454895**
**Email: info@jkgears.com,dalbirbright@gmail.com website: www.jkgears.com**







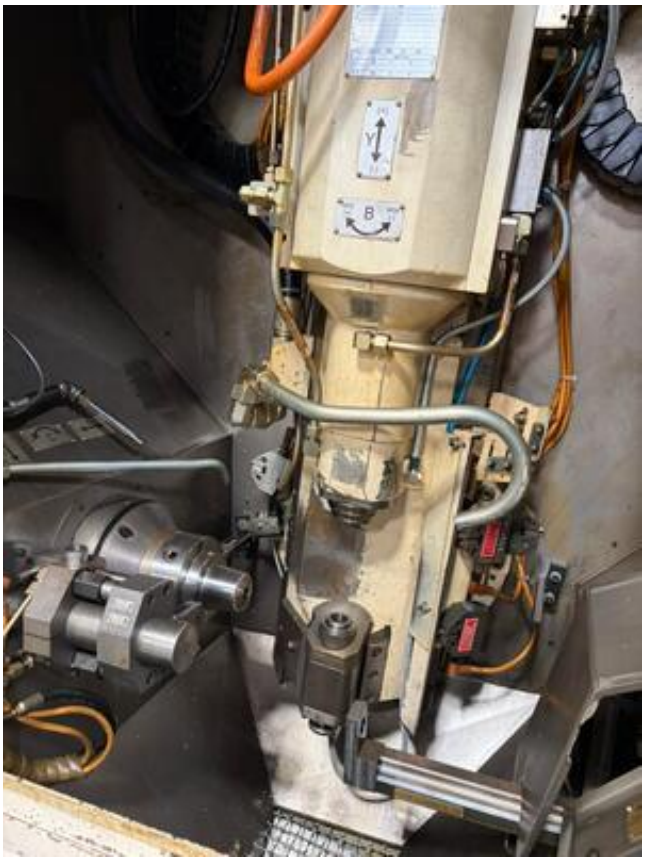






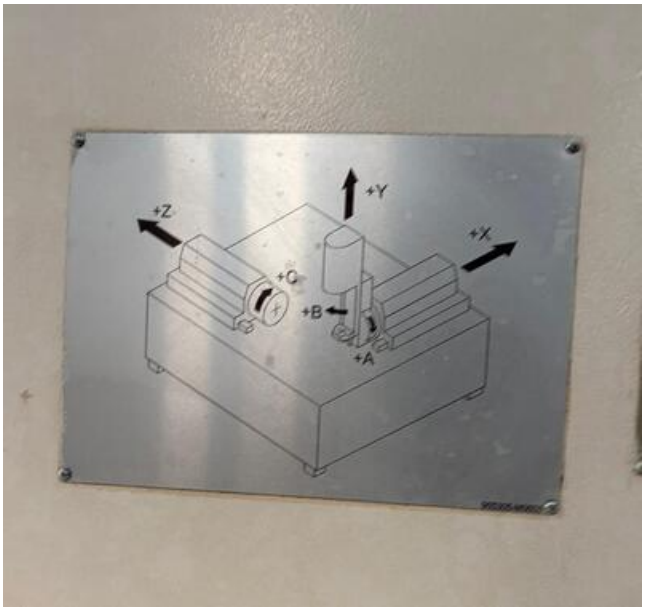



www.jkgears.com

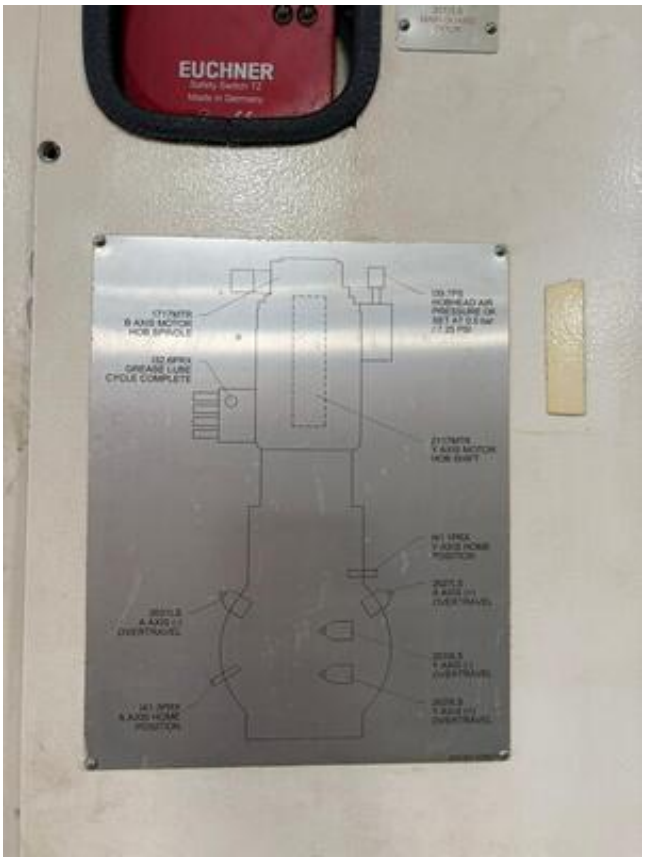

Y
B








www.jkgears.com






www.jkgears.com



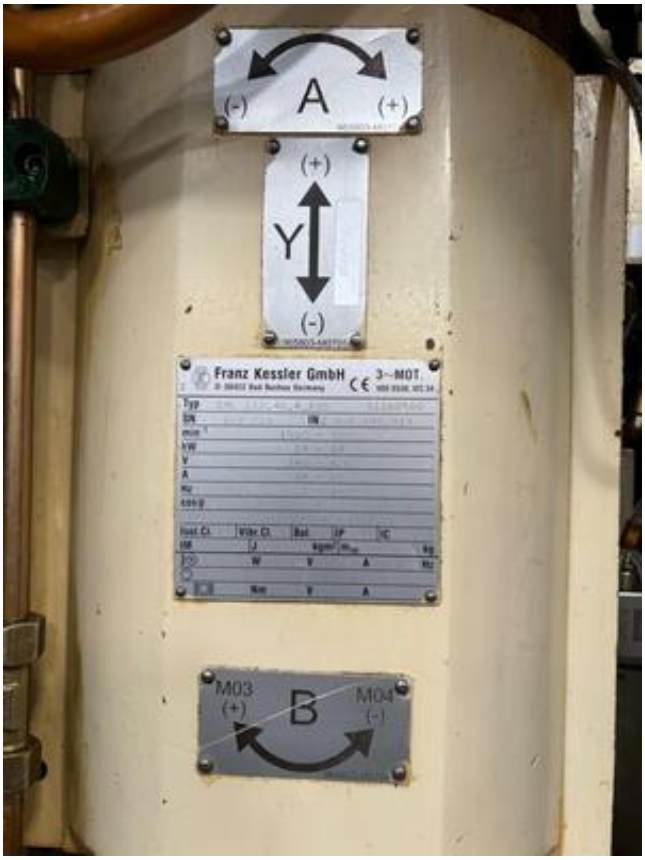


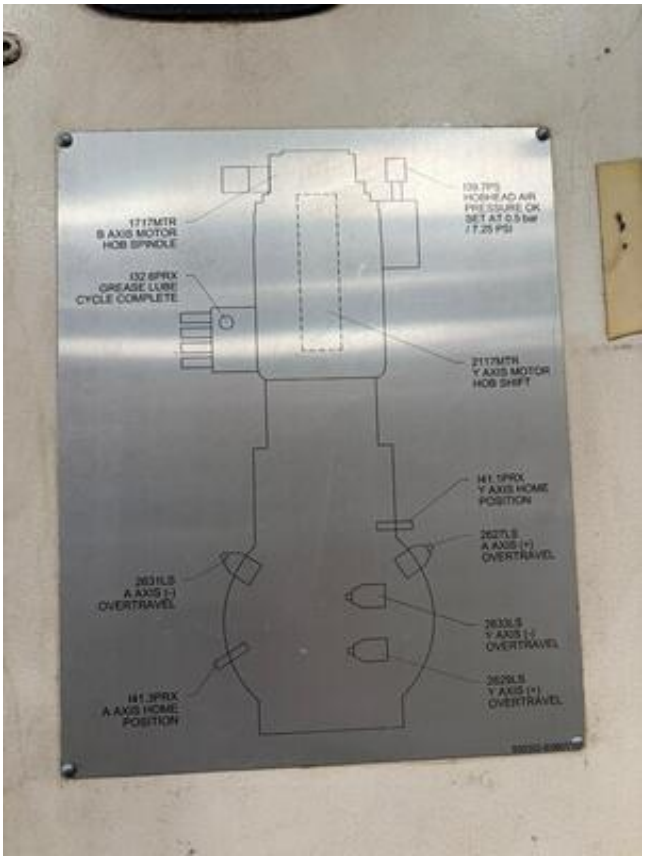











www.jkgears.com


EMERGENCY STOP







www.jkgears.com


A
B






AAA106251
A







www.jkgears.com











| | | | | | |
|---|---|---|---|---|---|
| ***Machine Id*** | ***:-*** | ***1469*** | **Serial No** | **:-** | **955305 & 955302** |
| **Category** | **:-** | **Gear Related Machines** | **Model** | **:-** | **P 100 (choice of Two similar machines)** |
| **Country** | **:-** | **United States** | **Make** | **:-** | **Gleason Pfauter** |
| **Type of Machine** | **:-** | **6-Axis CNC Gear Hobbing Machine** | **Year** | **:-** | **2002** |
| **Weight** | **:-** | **6000.0** | **Dimensions** | **:-** | **4,474 × 3,378 × 2,808 mm** |
| **Power** | **:-** | **56.5 kVA** | **Location** | **:-** | **Mumbai Warehouse,India** |

Specification :-

**Machine Specifications:**

Machine Type: CNC Gear Hobbing Machine
Manufacturer: Gleason-Pfauter
Model: P100
CNC Control: Siemens 840D CNC Control
Number of Controlled Axes: 6
Axes: X, Y, Z, A, B, C

**Workpiece Capacity**
Maximum Module in Steel: 3.0 mm (0.118')
Maximum Workpiece Diameter: 120 mm (4.72')
Maximum Number of Teeth: 120
Work Spindle External Diameter: 120 mm (4.72')
Work Spindle Bore: 45 mm (1.77')

**Hob / Cutting Tool**
Maximum Hob Tip Diameter: 65 mm (2.56')
Minimum Hob Tip Diameter: 28 mm (1.10')
Maximum Geared Length: 150 mm (5.91')
Maximum Hob Length: 203 mm (8.00')

**Axis Travels**
X-Axis / Radial Slide Travel: 90 mm (3.54')
Y-Axis / Tangential Slide Travel: 140 mm (5.51')
Z-Axis / Axial Slide Travel: 100 mm (3.94')
Maximum Hob Head Swivel: ±30°

**Speeds &Feeds**
X &Z Axis Maximum Feed: 10,000 mm/min
Y-Axis Maximum Feed: 10,000 mm/min
X-Axis Feed: 5,000 mm/min
Tool / Hob Speed: 300–3,500 rpm
Work Spindle Speed: 0–1,000 rpm

**Hydraulic System**
Hydraulic Pump Motor: 2.0 HP
Motor Speed: 1,180 rpm
Electrical Supply: 480 V / 60 Hz
Hydraulic Capacity: 20 US gal. (75.71 L)
Hydraulic Oil: Mobil DTE 26 or equivalent

**Pneumatic System**
Main Line Air Pressure: 4 bar (60 psi)
Air Requirement: 25 SCFM

**Spindle Coolant System**
Coolant Pump Motor: 1.5 HP
Motor Speed: 3,200 rpm
Electrical Supply: 480 V / 60 Hz
Coolant: Water/glycol coolant system
Coolant: Dowfrost + water + 30% antifreeze

**Electrical**
Operating Voltage: 480 V
Supply Voltage: 230 V
Control Voltage: 24 V

Frequency: 60 Hz
Total Power Rating: 56.5 kVA
Cable Cross-Section: 25 mm²
Protection: 60 A

**Machine Size &Weight**
Length: 4,474 mm (176.14')
Width: 3,378 mm (133.00')
Height: 2,808 mm (110.43')
Height with Stack Light: 3,320 mm (130.71')
Approx. Weight: 6,000 kg (13,227 lb)

**MACHINE FEATURES / EQUIPMENT**
Standard Machine Configuration
• Siemens 840D CNC control
• 6 controlled axes - X, Y, Z, A, B and C
• Hydraulic clamping system
• Automatic lubrication system
• Spindle coolant system
• Chip removal / conveyor system
• Enclosed work chamber
• Operator control pendant
• Axes Control Panel (MCP)
• Lower Operator Panel
• Automatic and manual operating modes
• Automatic workpiece loading/unloading system
• Hob spindle and work spindle
• Hob head swivel
• Automatic deburring-tool system

Description :--
**Description**
Gleason-Pfauter P100 CNC Gear Hobbing Machine equipped with a Siemens 840D CNC control and six controlled axes - X, Y, Z, A, B and C.
The P100 is a compact CNC gear hobbing machine designed for precision production of small and medium-sized gears. According to the manufacturer's technical data, the machine accommodates workpieces up to 120 mm diameter, with a maximum module of 3.0 mm in steel.
The machine features an enclosed hobbing chamber, hydraulic workholding, automatic lubrication, spindle coolant system and automatic chip removal system. Attached gear deburring tool is also part of the machine.
The P100 provides radial, tangential and axial slide movements of 90 mm, 140 mm and 100 mm respectively, with a maximum hob head swivel of ±30°. Hob speeds are specified from 300 to 3,500 rpm, while the work spindle is rated from 0 to 1,000 rpm.
The machine has an approximate overall footprint of 4,474 ×3,378 mm, a height of 2,808 mm (3,320

www.jkgears.com

mm including the stack light), and an approximate weight of 6,000 kg.
CNC Control: Siemens 840D
Machine Type: 6-Axis CNC Gear Hobbing Machine
Maximum Workpiece Diameter: 120 mm
Maximum Module: 3.0 mm
Hob Speed: 300–3,500 rpm
Work Spindle Speed: 0–1,000 rpm
Weight: Approx. 6,000 kg
Specifications are based on the manufacturer's operating documentation and may vary according to machine configuration.