

Machine Name : Gear shaping machine

Brand : Mitsubishi

Machine Model : SC40CNC

Stock No. : 4813051

Ex-factory Date : 2008



Main Technical Parameters:

CNC System: FANUC

Maximum Workpiece External Diameter: Ø400 mm

Maximum Machining Tooth Width: 115 mm

Maximum Machining Module: 8 Module

Maximum Gear Shaper Cutter Diameter: Ø160 mm

CNC Controlled Axes: 5 Axes (X, Y, Z, C, A Axes)

Axis Functions:

A-Axis: Gear shaping cutter head swing axis, specifically designed for helical gear machining

Z-Axis: Gear shaping reciprocating stroke (up and down cutting motion)

X-Axis: Radial feed

Y-Axis: Cutter shifting movement

C-Axis: Worktable rotary indexing (full closed-loop control with circular glass scale)

Stroke Rate: 100-1200 strokes/min

Machinable Workpieces:

External spur gears

Internal spur gears

Helical gears (realized by A-axis)

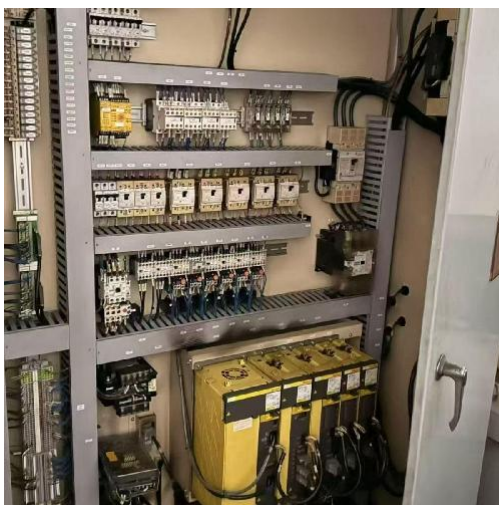
Crown gears

Modified gears

Stepped gears

Main Drive Motor Power: 7.5 kW

Floor Space: 2450 × 1850 mm



最大加工齿宽 H	115 mm
最大加工模数	8 module
最大插齿刀外径	φ160mm
数控受控轴: 5轴	X、Y、Z、C、A轴
A轴功能	插齿刀头摆动轴, 专门做斜齿加工
Z轴	插齿上下冲程 (往复切削)
X轴	径向进给
Y轴	刀具窜刀移位
C轴	工作台旋转分度 (圆光栅全闭环)
冲程次数	100-1200次/分钟
可加工工件	外直齿、内直齿、斜齿 (A轴实现)、鼓形齿、修形齿、台阶齿轮