

GIGAMILL - GANTRY Machine LINE

type GIGAMILL- CNC NUM 1060

TMG reg. nr. 4082



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Main CNC Axes :

X1+X2 _GANTRY axes Portal travel: 6000mm

Y _MILLING HEAD - Horizontal travel on Cross-Rail: 3500mm

Z _MILLING HEAD - Vertical RAM travel: 1000mm

CNC Accessory Axes (UNIVERSAL HEAD):

**A _Rotation around the X axis :angular movement -120...0...+120 degrees
with 1 degree step - lock with HIRTH**

**C _Rotation around the Z axis :angular movement 0 - 360 degrees
with 1 degree step - lock with HIRTH**

Feed Range:

X : 1- 10000mm/min

Y : 1- 10000mm/min

Z : 1- 10000mm/min

Rapid Axes Feed:

X : max. 15000mm/min

Y :max. 15000mm/min

Z : max. 10000mm/min

Milling Spindle Speed Ranges:

1.: 20 - 207rpm Constant Torque / 208 - 897rpm Constant Power

2.: 50 - 925rpm Constant Torque / 926 - 4000rpm Constant Power

Motor Milling Spindle (S1):

**SIEMENS 1PH6167-4NF49-Z ; nominal speed 1500rpm; max. Speed 6500rpm;
37KW; 102A**

with SIMODRIVE 611A

Active Table surface: 6100x2200mm

Distance between Columns: 2550mm

Distance between Table and Cross-Rail: 1650mm

Milling Tool-Holder: type ISO 50

The Accessories:

- Angular Universal Head (angular axes A and C)

- Direct Drive Milling Head with:

**Milling unit HFWS 1718 / ISO 40 / motor 12KW / 26A / 18000rpm at 600Hz
Drive SIEMENS SIMODRIVE 611A**

Machine Weight: cca 60000Kg

Machine was made in FRANCE after 1990 :

- NUM 1060 Contouring Numeric Control NUM France

- 5x NUM feed axes motors with NUM Drive (X1, X2, Y, Z, A)

- 1x 1PH6 SIEMENS 37KW spindle motor with SIEMENS SIMODRIVE 611A (S1)

- 1x 1HFWS 12KW spindle motor with SIEMENS SIMODRIVE 611A (S2)