



## MACHINE SPECIFICATION – N20

### CNC CONTROL

Control system SINUMERIK ONE | SINUMERIK 840D sl

Drive system SINAMICS S120

### WORKING AREA

Nominal Length mm 1000 / 1500 / 2000 / 2500 / 3000 / 3500\*

Swing diameter mm 650

Slidetravel X-axis mm -15...+335

Slidetravel Y-axis mm /

### MAIN SPINDLE / COUNTER SPINDLE (OPTION)

|                               | size | A8  | A11 |
|-------------------------------|------|-----|-----|
| Spindle head acc.to DIN 55026 |      |     |     |
| Spindle bore                  | mm   | 92  | 105 |
| Bearing diameter              | mm   | 150 | 180 |

### MAIN SPINDLE DRIVE

|                                                   |     |           |          |
|---------------------------------------------------|-----|-----------|----------|
| Drive power S6-40% duty cycle/ S1-100% duty cycle | kW  | 34 / 30,4 | - / 32   |
| Speed range                                       | rpm | 0...3800  | 0...1800 |
| Torque S6-40% duty cycle / S1-100% duty cycle     | Nm  | 655 / 580 | - / 1200 |
| Speed range C-axis mode                           | rpm | 0...100   |          |

### FEED DRIVES

Rapid feed rates X, Y, Z m/min 25 / - / 40

### TOOL TURRET

|                       |     | 2-axis         | 4-axis          |
|-----------------------|-----|----------------|-----------------|
| Number of turrets     | No. | 1              | 2               |
| Tool holder DIN 69880 |     | 50   40        |                 |
| Tool configuration    |     | axial   radial | radial   radial |
| Tool positions        |     | 12             | 12 / 12         |

### TAILSTOCK

|                |      |               |        |
|----------------|------|---------------|--------|
| Quill centre   | size | MK 5          |        |
| Quill travel   | mm   | 160           | 166    |
| Quill diameter | mm   | 140           | 150    |
| Clamping force | kN   | 3...17/ 2...9 | 5...25 |

\* other options available on request

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**THE NSH GROUP**  
MACHINE TOOL MANUFACTURING

