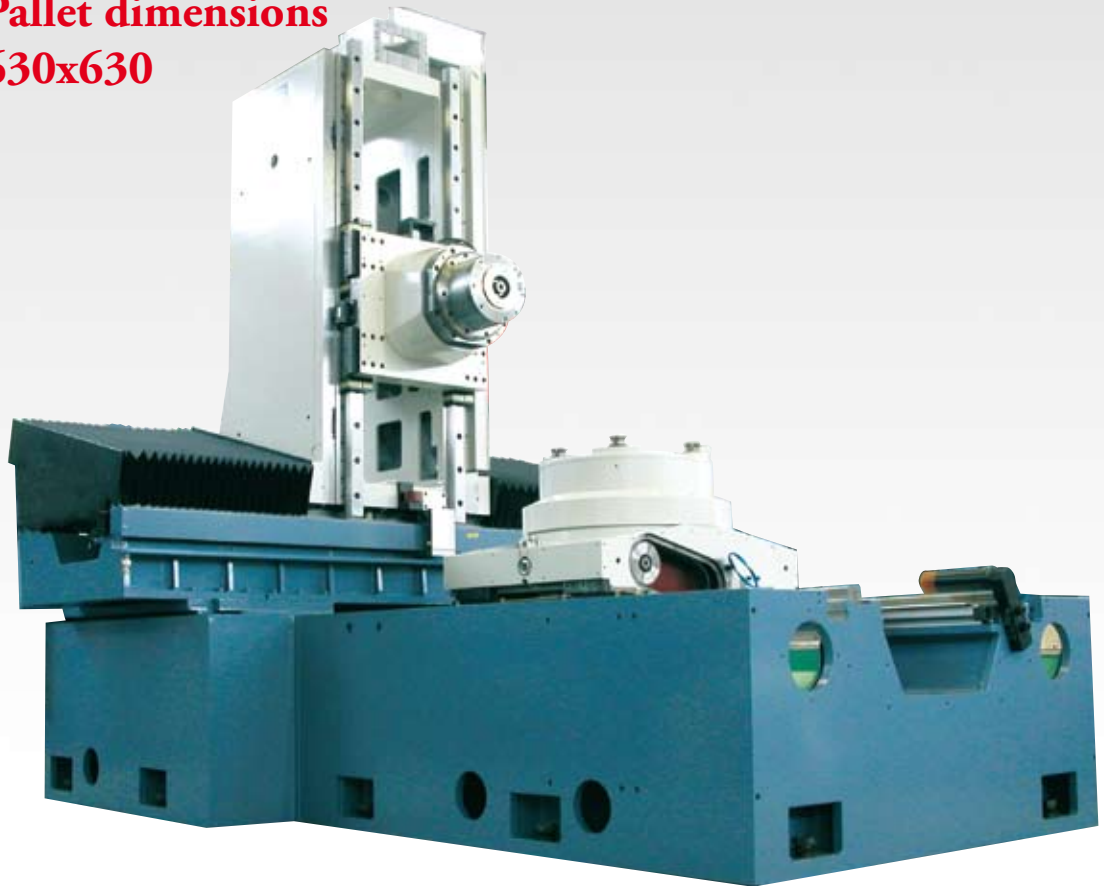


HSK-A100

Rapid feeds 75 m/min.

Pallet dimensions

630x630



| | |
|--|------------------|
| Tool changing time | 1 s |
| Number of tools HSK-A63 | 95 - 999 |
| Tool regeneration+washing+tool check | 10 s |
| Spindle speed | 8,000/24,000 rpm |
| Continuous rotary table | |
| Linear axes measuring system with pressurized optical scales | |



CLOCK 1200 SP

TECHNICAL FEATURES

WORKING AREA

| | | |
|--|-------|---------------------------------------|
| Longitudinal X axis | mm | 1,200 |
| Vertical Y axis | mm | 850 |
| Transversal Z axis | mm | 850 |
| Rapid feeds | m/min | 75 |
| Axes thrust | daN | 3,000 |
| Spindle tip-Y pallet distance | mm | 100 |
| Spindle tip-Z pallet distance | mm | 113 |
| Linear axes measuring system | | pressurized Heidenhain optical scales |
| Rotating axes measuring system | | pressurized Heidenhain encoders |
| AC axes servomotor drive with digital adjustment | | |

POSITIONING PRECISION IN ACCORDANCE WITH VDI/DGQ 3441 SPECIFICATIONS

Linear axes (XYZ)

| | | |
|----------------------------------|----|---|
| Positioning precision (Pa) | µm | 6 |
| Repeatability precision (Ps Med) | µm | 3 |

Rotating axes (B)

| | | |
|----------------------------------|--------|---|
| Positioning precision (Pa) | arcsec | 6 |
| Repeatability precision (Ps med) | arcsec | 4 |

SPINDLE TYPE HSK-A100

| | | |
|-------------------------|------|--------------|
| Tool taper (DIN69893-1) | type | HSK-A100 |
| Rotating speed | rpm | 14,000/8,000 |
| Power | kW | 65/25 |
| Max torque | Nm | 400/600 |
| Front bearing diameter | mm | 110/130 |

TOOL CHANGE

| | | |
|--|----|--------|
| Standard features | | |
| Wheel/rack type tool magazine capacity | n. | 95/999 |
| Max. tool length | mm | 500 |
| Max tool weight | kg | 25 |
| Chip to chip tool changing time | s | 5 |
| Max. tool diameter | mm | 340 |
| Adjacent tools max. diameter | mm | 100 |

PALLET CHANGER

| | | |
|---------------------------|----|---------|
| Pallet changing time | s | 8 |
| Number of pallets | n. | 2 |
| Pallet dimensions | mm | 630x800 |
| Overall rotating diameter | mm | 1200 |
| Max. load for pallet | kg | 800 |

CONTINUOUS ROTARY TABLE

| | | |
|----------------|-----|-----------|
| Positions | n. | 3,600,000 |
| Speed rotation | rpm | 20 |

CHIPS CONVEYOR

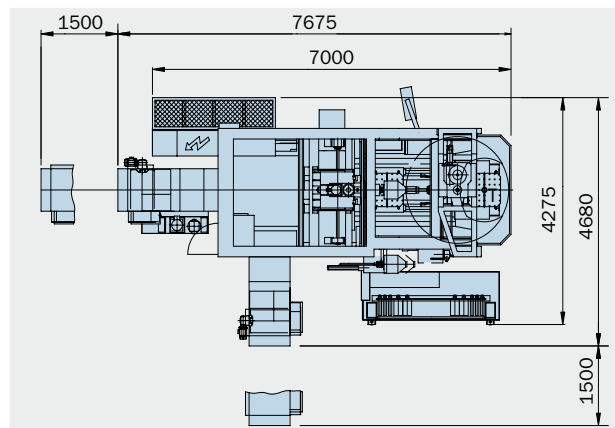
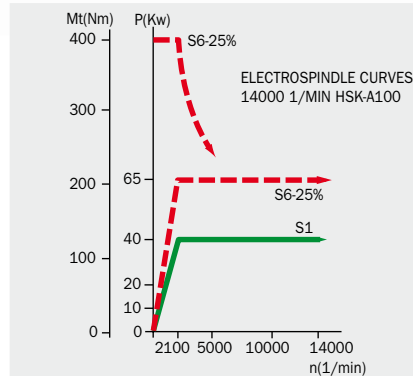
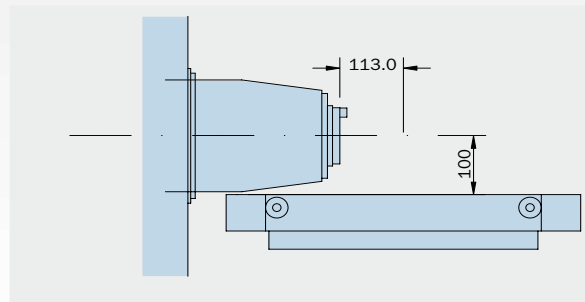
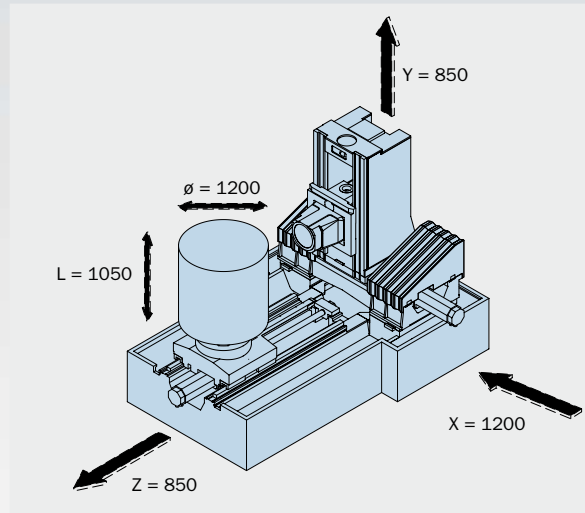
Scraper type

COOLANT SYSTEM

1,500 liters tank with self-cleaning filter

TOTAL WEIGHT (Two pallets version)

kg 23,000



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