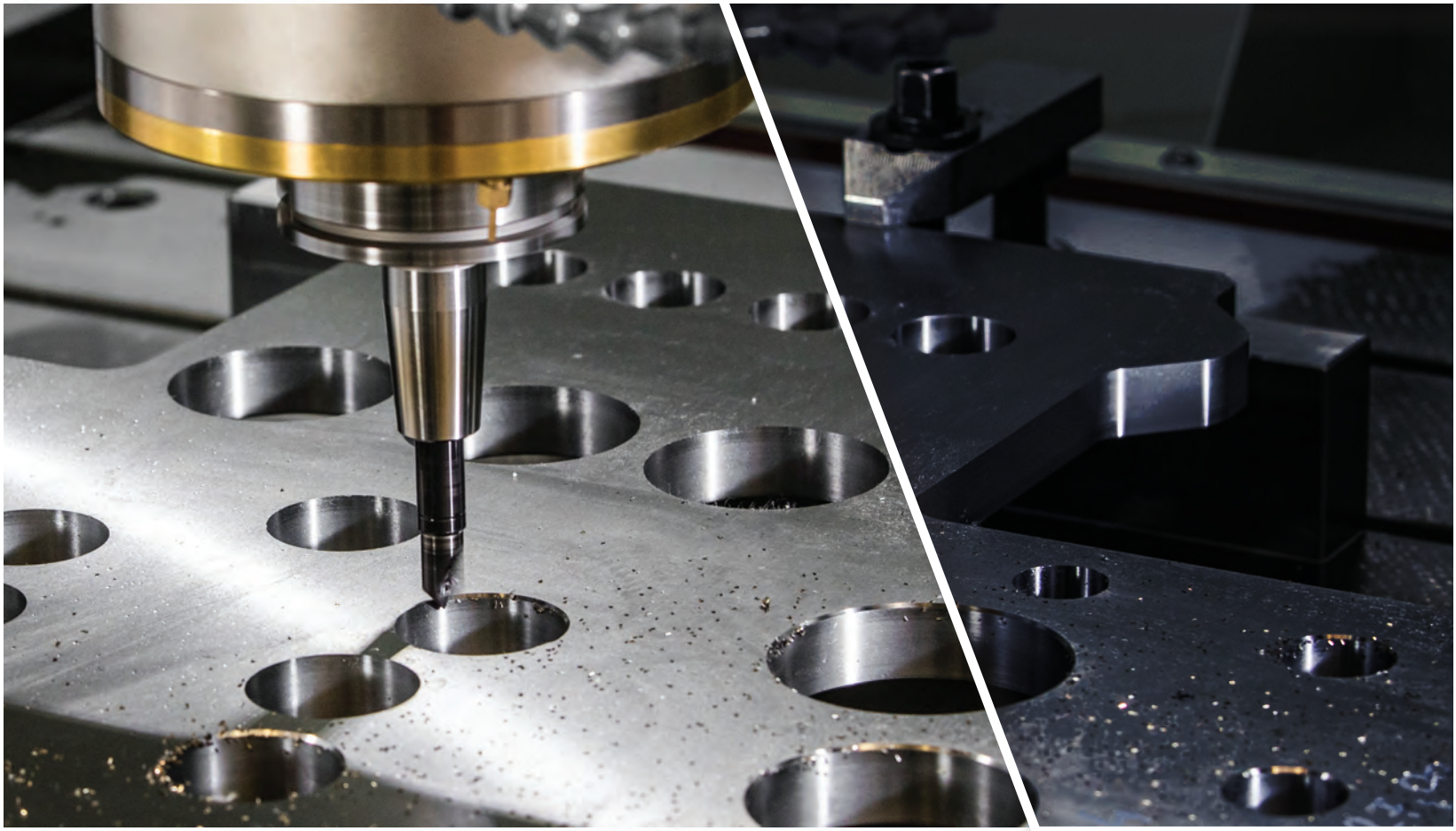


ALTADO



**3 AND 5 AXIS HIGH SPEED CNC
MACHINING CENTERS**



HS9060

| Model | Axis travelling X/Y/Z mm | Table dimensions, mm | Spindle speed, rpm | Spindle motor power, kW | Rapid feedrates, mm/min | Machine weight, kg |
|--------|--------------------------|----------------------|--------------------|-------------------------|-------------------------|--------------------|
| HS9060 | 900x600x500 | 1100x600 | HSK-A63 24.000 rpm | HSK-A63, 29 kW | 20.000 | 11.000 |



HS1612

| Model | Axis travelling X/Y/Z mm | Table dimensions, mm | Spindle speed, rpm | Spindle motor power, kW | Rapid feedrates, mm/min | Machine weight, kg |
|--------|--------------------------|----------------------|--|---|-------------------------|--------------------|
| HS1612 | 1600x1200x700 | 1800x1300 | HSK-A63 24.000 rpm / HSK-A80 14.000 rpm / HSK-A100 14.000 rpm or 8.000 rpm | HSK-A63, 29 kW / HSK-A80, 25 kW / HSK-A100, 32 kW | 21.000 | 19.600 |

Features;

- Extremely rigid machine base is designed for high accuracy cutting during machine long life cycle,
- Well-known built-in motor spindle-FISCHER, with speed range from 200 to 36,000 rpm,
- High-end technology of spindle cooling with 2 circuits function “ Conventional spindle Cooling + Additional shaft cooling “ to solve the problem of variation from spindle thermal growth,
- Oversized high precision linear guide-ways and 80 mm diameter of X axis ball-screws afford the high speed moving while cutting big mould,
- The spindle head is built in the cross-beam. The cross-beam is an iron casting box type symmetrical structure,
- 4-axis and 5-axis machining is available with additional rotary tables or a new spindle head.

From our lineup of 3-axis Double Column CNC High Speed machining centers, we also offer following models;

| Model | Axis travelling X/Y/Z mm | Table dimensions, mm | Spindle speed, rpm | Spindle motor power, kW | Rapid feedrates, mm/min | Machine weight, kg |
|--------|--------------------------|----------------------|--|----------------------------------|-------------------------|--------------------|
| HS7040 | 700x400x350 | 850x450 | HSK-E50 36.000 | 15 kw | 24.000 | 5.200 |
| HS1280 | 1200x800x500 | 1300x850 | HSK-A63 24.000 / HSK-A100 14.000 or 10.000 | HSK-A63 29kw / HSK-A100 32kw | 20.000 | 11.000 |
| HS2516 | 2500x1600x800 | 2650x1950 | HSK-A63 24.000 rpm / HSK-A100 14.000 rpm or 10.000 rpm | HSK-A63, 29 kW / HSK-A100, 32 kW | 24.000 | 33.000 |



M5X-500R

| Model | Axis travelling X/Y/Z mm | Table dimensions, mm | 4th and 5th axis rotation | Spindle speed, rpm | Spindle motor power, kW | Rapid feedrates, mm/min | Machine weight, kg |
|----------|--------------------------|----------------------|--|--------------------|-------------------------|-------------------------|--------------------|
| M5X-500R | 900x600x480 | Dia. 500 | Table: A axis +30°~ -120° / C axis +0°~ 360° | HSK-A63 24.000 | HSK-A63 29kw | 20.000 | 12.375 |



M5X-2516

| Model | Axis travelling X/Y/Z mm | Table dimensions, mm | 4th and 5th axis rotation | Spindle speed, rpm | Spindle motor power, kW | Rapid feedrates, mm/min | Machine weight, kg |
|----------|--------------------------|----------------------|---|--------------------|-------------------------|-------------------------|--------------------|
| M5X-2516 | 2500x1600x800 | 2650x1950 | Spindle head: B axis ±110° / C axis ±240° | HSK-A63 CSC 26.000 | HSK-A63 20kw | 24.000 | 40.000 |

ALTADO d.o.o.
Šmartinska cesta 130, 1000 Ljubljana, Slovenija
Tel.: +368 1 540 50 44, Fax: +368 1 540 34 03
www.altado.si
e-mail: info@altado.si

The history of ALTADO company is set back in 1998 when the first CNC horizontal boring milling center was supplied to our Russian customer.

With 20 years of experience in the fields of automotive and aerospace industry, we nowadays focus on design, development and manufacturing of high speed and stiff machining centers. Our product range of high speed machines (HS) covers vertical and horizontal HS machines, with travels range from 500/300/250 mm in (x/y/z) up to 3.000/2.100/1.000 mm in (x/y/z) for 3 and 5 axis centers. We also do a custom configurations outside those parameters as we stream towards our customers needs and requirements, to achieve customer's satisfaction, by delivering top quality machines tailored to our customers needs.

Reasonable cost, short delivery time and flexible payment terms gives advantages to our customers during a cooperation with ALTADO.

We do business around the world and use components from well-known manufacturers only, produced in Japan, Taiwan, Germany, Italy, Switzerland, Czech, and Slovenia.

Final components assembling takes place in Slovenia or in Taiwan. ALTADO offers you own design and customization, to achieve your requirements and needs. All processes during production, assembly and testing are recorded and stored, to insure a delivery of a high-end product to our costumer, to whom we also provide fast and experienced technical support during guarantee and post guarantee period.

Our headquarters located in Slovenia is focused on serving our European costumers, meanwhile our branch office in Russia allows us to serve costumers in former Soviet Republics and East Asia.

