



C.B.Ferrari

ITALIAN EXCELLENCE SINCE 1966

Company Profile

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Since 1966 constant innovation, performance based approach and market recognized and consolidated superior accuracy, achieved in a wide variety of manufacturing applications, have led C.B.Ferrari to a world leading position in high precision 5-Axes CNC machining centers solutions.

Currently C.B.Ferrari operates with two manufacturing facilities in Italy, the second major machine manufacturing country in Europe and the fifth in the World.

165 skilled and highly motivated employees, enjoying the homeland long-standing tradition in precision mechanics, design and manufacture all machines in house including electro-spindles and rotary tables, ensuring extraordinary quality and reliability over the time.

With more than 5000 machines successfully installed worldwide, supported by a complete and prompt sales and service network, C.B.Ferrari ensures its customers the ultimate manufacturing support, achieving state-of-the-art results in terms of accuracy and performances.





IMMEDIATE AND DIRECT CONTACT



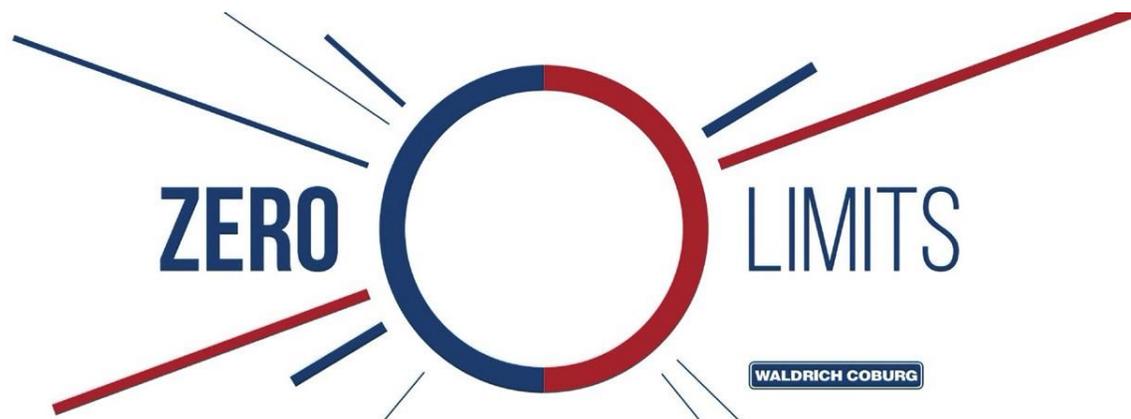
**MACHINES ASSEMBLED WITH HIGH
PRECISION AND SPECIFIC
GEOMETRIC INSPECTIONS**



MACHINES READY FOR INDUSTRY 4.0



**REMOTE ASSISTANCE
PREDICTIVE MAINTENANCE**



SINCE 2011 IN THE SAME GROUP OF WALDRICH COBURG GERMANY



**AEROSPACE
MOULDS AND DIES
TURBINE BLADES FOR POWER
GENERATION AND AERONAUTICS**



**AUTOMOTIVE
SPECIAL TOOLS
PRECISION MACHINERY
MEDICAL**



C.B.Ferrari designs and manufactures internally most of the electro spindles its machines are equipped with, offering remarkable advantages to its customers:

- Spare spindles always available
- Easy of replacement with minimum intervention time
- Low repair cost
- Reduced machine downtime

Also include:

- Ceramic ball bearings
- Integrated synchronous motor
- Temperature controlled operation
- Liquid cooling system

40.000 RPM*	HSK E40	10/14 kW	5/7 Nm		A - B - GT ML - D - N
28.000 RPM	HSK E40	25,5/32,5 kW	18/23 Nm		
24.000 RPM	ISO V40-HSK A63	30 kW	42/59 Nm		
24.000 RPM**	HSK A63	30 kW	48 Nm	A 236	
20.000 RPM**	HSK A63	42 kW	67 Nm		
20.000 RPM	ISO V40-HSK A63	28 kW	63/83 Nm		
16.000 RPM	ISO V40-HSK A63	33 kW	105/140 Nm		
16.000 RPM**	HSK A63	50 kW	90 Nm	A 236	
16.000 RPM	HSK A63	52 kW	150/240 Nm		
9.000 RPM	ISO V40-HSK A63	31/42 kW	130/175 Nm		
20.000 RPM**	HSK A63	50 kW	90 Nm		D - N
16.000 RPM	HSK A63	53/64 kW	170/236 Nm		
16.000 RPM	ISO V45	53/64 kW	170/236 Nm		
12.000 RPM	ISO V50	53/64 kW	170/236 Nm		
10.000 RPM	ISO V50	63/82 kW	300/410 Nm		
6.500 RPM	ISO V50	41/45 kW	265/340 Nm		

*WEISS **HSD

MILLING MACHINES • MACHINING CENTERS



B166



3 AXIS VERSION	
Travels XYZ	850-520-420 mm
Feed rates XYZ	40-30-30 m/min.
Spindle speed	16000-20000-24000-28000-40000 RPM
Clamping area	1500x550 mm

A SERIES



3 AXIS VERSION	
Travels XYZ	A152 850-420-420 mm A156 850-520-420 mm A176 1050-520-420 mm A196 1620-520-420 mm
Feed rates XYZ	40-40-30 m/min.
Spindle speed	9000-16000-20000-24000-28000-40000 RPM
4 AXIS VERSION	
Continuous tilting head	B2 +/-91°
5 AXIS VERSION	
Fixed head + 2-axis dividing head	A 360° B1 +45° -135°
6 AXIS VERSION	
Tilting head + 2-axis dividing head	A 360° B1 -45° +135° B2 +/-91°

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NEW

A236

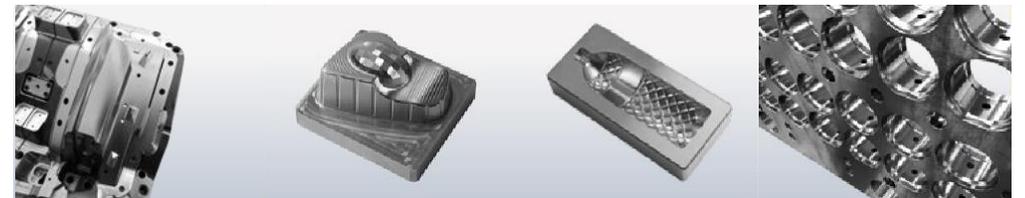


5 AXIS VERSION

Travels XYZ	1220-310-465 mm
Feed rates XYZ	50-50-50 m/min.
Rotation A1 - B1 (dividing head)	360° -15° +90°
Feed rates A1 - B1 (dividing head)	500-60 RPM (2400 RPM on A1 for turning)
Rotation B2 (tilting head)	+/-120°
Feed rates B2 (tilting head)	60 RPM
Spindle speed	16000-20000-24000 RPM
Tool magazine	40-60-80 T



GT SERIES



3 AXIS VERSION

Travels XYZ	GT1200 1200-620-620 mm GT1600 1600-820-850 mm GT2000 2000-820-850 mm GT3000 3000-920-1000 mm NEW
Feed rates XYZ	30 m/min.
Spindle speed	16000-20000 RPM
4 AXIS VERSION	
Continuous tilting head	B +/-91°
5 AXIS VERSION	
Rotary table + Tilting head	C 360° B +/-91°

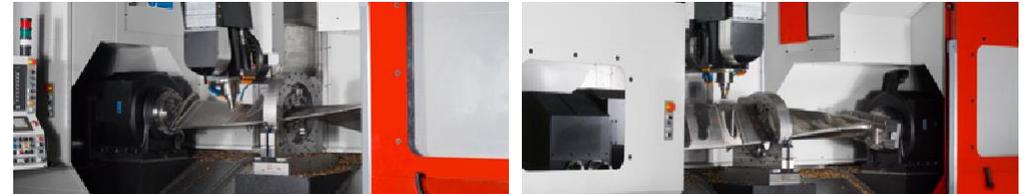
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ML45



N SERIES



5 AXIS VERSION

Travels XYZ	320-320-320 mm
Feed rates XYZ	60 m/min.
Spindle speed	28000-40000 RPM
Tilting and rotary table	C 360° B +/-100°

6 AXIS VERSION

Travels XYZU	N316 1400-620-820-490 mm N516 2580-620-820-2580 mm N530 3000-820-820-3000 mm
Feed rates XYZU	40 m/min.
Spindle speed	12000-16000-20000 RPM
Double dividing head + Tilting head	A 360° a 360° C +/-100°

D SERIES



3 AXIS VERSION

Travels XYZ	D230 1600-1600-820 mm *DU2600 1040-1000-820 mm (*Con 3 pallets) D422 2000-2200-1000 mm D432 3000-2200-1000 mm
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Feed rates XYZ	40 m/min.
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Spindle speed	12000-16000-20000 RPM
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4 AXIS VERSION

Continuous head	A +/-91°
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5 AXIS VERSION

Rotary table + Tilting head	C 360° A +/-91°
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Bi-rotary head	A +/-100° C +/-240°
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AVAILABLE CNC



CNC Siemens Sinumerik 840D sl
CNC Siemens Sinumerik ONE



CNC Heidenhain TNC 640

ABSOLUTE MEASURING SYSTEMS



All rotary axes are equipped with Heidenhain absolute encoders.
Resolution 0,0001°

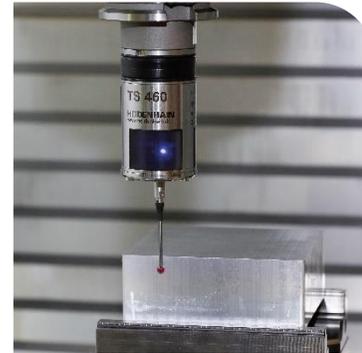


All machines are equipped with Heidenhain absolute linear scales.

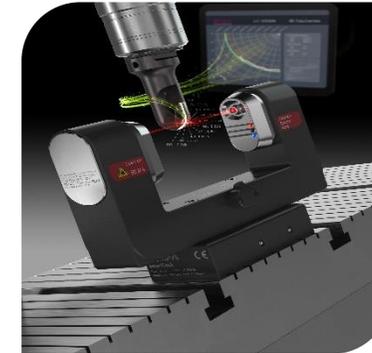
ACCESSORIES

The machine can be equipped with the following accessories:

- Chips conveyor for Steel
- Chips conveyor for Aluminum/Titanium
- Exhaust filter
- Through spindle coolant system 75 bar
- Tool blower air system (standard)
- Tool blower air/oil system
- 2D or 3D Touch probe
- Touch tool setting device
- Laser tool setting device
- Spin window on door (rotoclear)
- Other options available on request



2D-3D control piece group



Laser tools setting device



Contact tools setting device



THROUGH SPINDLE COOLANT GROUP – 75 BAR
460 lts tank - Drum filter



Possibility to update C.B.Ferrari used machines, with new tables, dividing heads and electrospindles.

Thank you for your attention !

Contact us for inquiries at: cbferrari@cbferrari.com



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