

## BHE



### High Performance Bridge Type Milling Machine

Entirely manufactured with sturdy cast iron elements and with a Box in Box Ram, these machines are designed to grant reliable and durable technology even in heavy duty applications. Along with the structure's high rigidity, excellent dynamic performances and high accuracy are granted by generous roller guides and linear scales.

Axes speed	X	Y	Z
	up to 15 m/min (590 ipm)		
Linear axes travel	X	Y	Z
	2200 ÷ 6200 mm 86.6" ÷ 244"	1700 ÷ 3600 mm 66.9" ÷ 141.7"	700 ÷ 1300 mm 27.5" ÷ 51.1"
Milling spindles	speed (rpm)	power/torque (max)	toolholder
	6.000 (opc 15.000)	25 kW 956 Nm ZF 1:4 gear box	ISO50 (opc BT#50 HSK100A)

## BSE



### High Speed Bridge Type Milling Machine

One piece casting bridge with specific design to grant High precision and High Speed in mold&die applications. 2 sizes available, with wide distance 1750 mm (69") between twin column, to allow the most convenient mounting of large workpieces.

Axes speed	X	Y	Z
BSE 1700		30 m/min (1118 ipm)	
BSE 2200	24 m/min (945 ipm)	30 m/min (1118 ipm)	30 m/min (1118 ipm)
Linear axes travel	X	Y	Z
BSE 1700	1750 mm (68.8')	1000 mm (39.3')	750 mm (29.5')
BSE 2200	2200 mm (86.6')	1750 mm (68.8')	750 mm (29.5')
Milling spindles	speed (rpm)	power/torque (max)	toolholder
	18.000 (opt 24.000)	32 kW / 154 Nm	HSK63A

## UHE



### 5-axis High Speed Universal Machining Center

3 separate castings morphology grant outstanding accuracy and high performances in any milling condition. 5-axis interpolation in combination with the rotary table allow 5-side machining of complex components, in a single, easy set-up.

Axes speed	X	Y	Z
UHE 1000/1600		24 m/min (945 ipm)	
Linear axes travel	X	Y	Z
UHE 1000/1600	1000/1620 mm (39.7/63.7")	800/1260 mm (31.4/49.6")	700/1050 mm (27.5/41.3")
Rotary axes	table	max loading	head
UHE 1000	1000 x 800 mm (39.7" x 31.4")	1500 kg	0°-180° pitch 0.001°
UHE 1600		4000 kg	
Milling spindles	speed (rpm)	power/torque (max)	toolholder
UHE 1000	18.000 (opt 24.000)	32 kW / 154 Nm	HSK63A
UHE 1600	8.000 (opt 15.000)	45 kW / 418 Nm	HSK100A

## VHE

### High Torque Vertical Machining Center

3-axis high performance C-frame moving table machines with high rigidity base and column are generously dimensioned to grant maximum rigidity, stability, long-lasting quality and accuracy. Box Type reinforced guides made of hardened steel are dimensioned and positioned to perform strong roughing tasks.

Axes speed	X	Y	Z
VHE 1166		24 m/min (945 ipm)	
VHE 1687		10 m/min (394 ipm)	
Linear axes travel	X	Y	Z
VHE 1166	1100 mm	610 mm	610 mm
VHE 1687	1600 mm	815 mm	700 mm
Milling spindles	speed (rpm)	power/torque (max)	toolholder
	6000	18.5 kW/708 Nm ZF gear box 1:4	ISO 50 (opc. BT#50)



## VSE

### High Speed Vertical Machining Center

Fast and accurate, VSE is a line of Vertical C-Frame machining centers designed for the die& mold industry and for the production of high-quality parts. The rigidity and stability of the VSE allow the use of the machine in roughing and also in High speed milling applications.

Axes speed	X	Y	Z
VSE 1066		30 m/min (1118 ipm)	
VSE 1468	30 m/min (1118 ipm)	30 m/min (1118 ipm)	24 m/min (944 ipm)
Linear axes travel	X	Y	Z
VSE 1066	1020 mm (40.1")	610 mm (24")	610 mm (24") opt. 810 mm (31.8")
VSE 1468	1350 mm (53.1")	620 mm (24.4")	810 mm (31.8")
Milling spindles	speed (rpm)	power/torque (max)	toolholder
	15.000 (opt. 18.000 - 24.000)	53 kW 250 Nm Direct Coupling	ISO 40 (opt. BT#40 HSK63A)





**FIDIA S.p.A.**  
Corso Lombardia, 11  
10099 San Mauro Torinese - TO - ITALY  
Tel. +39 011 2227111  
Fax +39 011 2238202  
info@fidia.it  
www.fidia.com

**FIDIA GmbH**  
Robert-Bosch-Strasse 18  
63303 Dreieich-Sprendlingen - GERMANY  
Tel. +49 6103 4858700  
Fax +49 6103 4858777  
info@fidia.de

**FIDIA Co.**  
3098 Research Drive  
Rochester Hills MI 48309 - USA  
Tel. +1 248 6800700  
Fax +1 248 6800135  
info@fidia.com

**FIDIA Sarl**  
47 bis, Avenue de l'Europe  
B.P. 3 - Emerainville  
77313 Marne La Vallée Cedex 2 - FRANCE  
Tel. +33 1 64616824  
Fax +33 1 64616794  
info@fidia.fr

**FIDIA Iberica S.A.**  
Parque Tecnológico  
Laida Bidea, Edificio 208  
48170 Zamudio - Bizkaia - SPAIN  
Tel. +34 94 4209820  
Fax +34 94 4209825  
info@fidia.es

**FIDIA DO BRASIL LTDA**  
Av. Salim Farah Maluf, 4.236 - 3º andar  
Móoca - SÃO PAULO - Cep 03194-010 - BRAZIL  
Tel. +55 11 29657600  
Fax +55 11 20212718  
info@fidia.com.br

**FIDIA JVE**  
Beijing Fidia Machinery & Electronics Co., Ltd  
Room 1509, 15/F Tower A, TYG Center Mansion  
C2 North Road East Third Ring Road,  
Chaoyang District  
100027 BEIJING - P.R. CHINA  
Tel. +86 10 64605813/4/5  
Fax +86 10 64605812  
info@fidia.com.cn

**FIDIA JVE**  
Shanghai Office  
28/D, No.1076, Jiangning Road  
Putuo District  
Shanghai 200060 - CHINA  
Tel. +86 21 52521635  
Fax +86 21 62760873  
shanghai@fidia.com.cn

**OOO FIDIA**  
c/o Promvost  
Sushovskiy Val, Dom 5, Str. 2, Office 411  
127018 Moscow - RUSSIA  
Tel.: +7 499 9730461  
Mobile: +7 9035242669  
sales.ru@fidia.it  
service.ru@fidia.it

**Service centres:**

**FIDIA GmbH - SERVICE CZ**  
CZ- 74706 Opava  
Tel./Fax +420 553 654 402  
sales.cz@fidia.it

**FIDIA S.p.A. - SALES & SERVICE UK**  
32 Riverside, Riverside Place  
Cambridge - Cambridgeshire  
CB5 5JF - United Kingdom  
Mobile: +44 - (0)7425 838162  
sales.uk@fidia.it

**3H MAKINA**  
Atasehir Bulvari, Ata 2/3  
Plaza, Kat: 9 No: 80  
Atasehir - Istanbul - TURKEY  
Tel.: +90 216 456 10 43  
Fax: +90 216 456 75 23  
sales.tr@fidia.it  
service.tr@fidia.it

**AXIS SYSTEMS**  
# 18 - 19 - 120, "INSPIRIA"  
Old Mumbai - Pune Highway,  
Pune - 411044, India  
Cell: +91 9881245460  
service.in@fidia.it

**P.V. ELECTRONIC SERVICES C.C.**  
P.O. Box 96  
Hunters Retreat 6017  
Port Elisabeth SOUTH AFRICA  
Tel. +27 41 3715143  
Fax +27 41 3715143  
sales.za@fidia.it

**SHIYAN FIDIA SERVICE CENTRE**  
N.84 Dong Yue Road,  
Shiyan, Hubei - CHINA  
Tel. +86 719 8225781  
Fax +86 719 8228241

**CHENGDU FIDIA SERVICE CENTRE**  
Huang Tian Ba  
Chengdu, Sichuan - CHINA  
Tel. +86 28 87406091  
Fax +86 28 87406091

**IE-MAT s.r.l.**  
Bv. De Los Calabreses 3706  
Barrio: Boulevares.  
Córdoba - ARGENTINA  
CP. X5022EWW  
Tel. +54 351 5891717  
sales.ar@fidia.it

**Manufacturing plants:**

**FIDIA S.p.A.**  
Via Valpellece, 67/A  
10060 San Secondo di Pinerolo  
TO - ITALY  
Tel. +39 0121 500676  
Fax +39 0121 501273

**FIDIA S.p.A.**  
Via Golfarelli, 123  
47100 Forlì  
ITALY  
Tel. +39 0543 770511  
Fax +39 0543 795573  
info@fidia.it

**SHENYANG FIDIA NC & MACHINE CO., LTD.**  
No. 1 17 Jia Kaifa Rd.  
Shenyang Economic & Technological Development Zone  
110141 Shenyang - P.R. CHINA  
Tel. +86 24 25191218/9  
Fax +86 24 25191217  
info@fidia.com.cn

**Research centres:**

**FIDIA S.p.A.**  
c/o Tecnopolis  
Str. Provinciale per Casamassima Km 3,  
70010 Valenzano  
Bari - ITALY  
Tel. +39 080 4673862



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