



CA7 EVO BOOST Broach Grinder

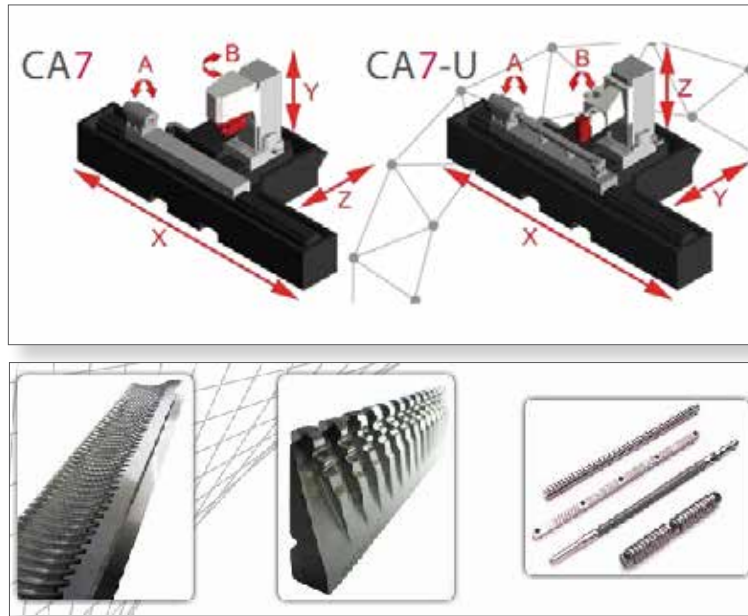


CA7 EvoBoost is the latest grinding machine stamped "Broach Expert" designed and manufactured by SMP TECHNIK. Equipped with a 1700 mm length table, with a large selection of accessories, a powerful electro-spindle and a «Full Option» software, it is perfect for manufacturing all of your tools regardless of their size. Moreover, its compact dimensions make it the perfect tool in workshops where every centimeter counts.

Highlights:

- ✓ **Axes X,Y, Z accurate within +/- .000004" (0.0001 mm)** → Resulting in high precision tools
- ✓ **6 slots grinding wheels rack loader** → Unload/load a wheel in less than 5 seconds
- ✓ **SA50 work piece holder** → Developing a high speed of 650 rpm
- ✓ **67" (1700mm) long table** → Enough space to install necessary accessories
- ✓ **Mineral casting bed** → Vibration proof. 10 times the classic iron bed rigidity.
- ✓ **Ergonomics** → Control desk with an easy replaceable 22" touch screen





capacities

Maximum tool length (grinding)	67"	1700 mm
Maximum tool diameter	9.8"	250 mm
Maximum tool weight	441lbs	200 kg
Maximum wheel diameter (with HSK50 attachment)	11.8"	300 mm

Options

- Wheel sensor
- Manual Tailstock
- CNC control steady rest
- Mechanized or magnetic cradle
- HSK40, HSK50 or HSK63 Electro-Spindel
- Dressing-Rad
- Magnetic Table

Specifications

X axis course (horizontal)	59"	1500 mm
Y axis course (vertical)	13.7"	350 mm
Z axis course (transverse)	15.7"	400 mm
X axis speed (horizontal)	147'/min	45 m/min
Y axis speed (vertical)	98'/min	30 m/min
Z axis speed (transverse)	98'/min	30 m/min
A axis speed (clamping tool)	1500 Rpm	1500 Rpm
B axis speed (electro spindle holder)	30 Rpm	30 Rpm
B axis course (electro spindle holder)	-45/+180 deg	-45/+180 deg
Electrospindle power	20 to 25 KW	20 to 25 KW
Electrospindle speed	12,000 to 20,000 Rpm	12,000 to 20,000 Rpm
Wheels attachment	HSK40, HSK50, HSK63	HSK40, HSK50, HSK63
Tool holder maximum speed (SA50)	Max. 650 Rpm	Max. 650 Rpm
Dimension	171" x 87" x 93"	4334 x 2205 x 2360 mm
Total weight	17,637 lbs	8000 kg

Accuracy

Axes X, Y, Z axis	.0000039	0,0001 mm
Axes A, B axis	.0001 deg	0,0001 deg

CA7U Model

CA7U EVO BOOST is a different setup of the CA7 EVO boost, which is dedicated to the broach grinding. Under this configuration, the electro-spindle is in a vertical position that gives a perfect vision of the grinding process by the operator during the cycle.

Williams and White reserves the right to alter or amend specifications without prior notice



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