

## precision sharpeners machines for HSS and MD end mills





## **Main features**

For 2-cut - 3-cut - 4-cut carbide or HSS end mills for finishing (by replacing the grinding wheel with the optional CBN one).

End mills from diam. 4 to 13 mm and from diam. 12 to 25 mm

Supplied SDC\* (synthetic diamond) grinding wheel for carbide end mills

Option to install CBN (cubic boron nitride) grinding wheel for HSS end mills (optional)

Excellent quality sharpening, accuracy +/- 0.02 mm

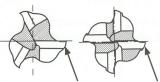
Sharpening adjustment: brighten cutting edge or sharpen

Quick and easy to use

Grinding wheel position adjustment to resume wear

Power supply 230 volts 50 Hz, CE regulation and quick start guide





Il tagliente più lungo è quello da utilizzare per l'allineamento fresa

|                         | Sharpening machine model  |  |
|-------------------------|---|--|
| Technical Data          | AFR4-13   | AFR12-25   |
| End mill diameter       | 4 – 13 mm   | 12 – 25 mm   |
| Number of cutting edges | 2-3-4   | 2 – 3 – 4  |
| Grinding wheel provided | No. 2 in SDC (synthetic diamond) for carbide end mills one for diam. 4 to 6 mm and one for diam. 7 to 13 mm   | No. 1 in SDC (synthetic diamond) for carbide end mills diam. 12 to 25 mm   |
| RPM grinding wheel      | 6000  | 4300   |
| Engine                  | 450 Watts   | 1000 Watts   |
| Power supply            | 230 Volts   | 230 Volts  |
| Dimensions              | 320 x 260 x 300 mm  | 365 x 293 x 345 mm   |
| Weight                  | 17 kg   | 31 kg  |
| Equipment               | Set of 10 ER20 spring collets, three chucks. (for end mills with 2 3 4 cutting edges), WBS grinding wheel for cutters with diam. 4 to 6 mm and WBS grinding wheel for end mills with diam. 7 to 13 mm | Set of 6 ER40 spring collets, three chucks (for end mills with 2 3 4 cutting edges), SDC grinding wheel for end mills with diam. 12 to 25 mm |

## Available models

| Available models |   |  |
|------------------|---|--|
| Item code        | Description   |  |
| AFR4-13          | Sharpening machine for 2 3 4-cutter end mills from diam. 4 to 13 mm with two carbide SDC grinding wheels                  |  |
| AFR12-25         | Sharpening machine for 2 3 4-cutter end mills from diam. 12 to 25 mm with CBN grinding wheel for HSS                      |  |
| CBN300           | CBN300 grinding wheel diam. 80.2 x 10.3 mm bore diam. 12.6 mm for HSS end mills diam. 4 to 6 mm for AFR4-13 sharpener     |  |
| CBN270           | CBN270 grinding wheel diam. 80.2 x 10.3 mm bore diam. 12.6 mm for HSS end mills diam. 6 to 13 for AFR4-13 sharpener       |  |
| SDC300           | SDC300 grinding wheel diam. 80.2 x 10.3 mm bore diam. 12.6 mm for MD end mills diam. 4 to 6 mm for AFR4-13 sharpener      |  |
| SDC270           | SDC270 grinding wheel diam. 80.2 x 10.3 mm bore diam. 12.6 mm for MD end mills diam. 6 to 13 mm for AFR4-13 sharpener     |  |
| CBN150           | CBN150 grinding wheel diam. 104.3 x 12.3 mm bore diam. 15.8 mm for HSS end mills diam. 13 to 25 mm for AFR12-25 sharpener |  |
| SDC150           | SDC150 grinding wheel diam. 104.3 x 12.3 mm bore diam. 15.8 mm for MD end mills diam. 13 to 25 mm for AFR12-25 sharpener  |  |

<sup>\*</sup> SDC (synthetic diamond) grinding wheels can also be used to sharpen HSS end mills but the grinding wheel life will be shorter than CBN grinding wheels