Rotierende Werkzeuge für die Luft- und Raumfahrt

ROTATING TOOLS FOR AEROSPACE

EHWA SINCE 1975

EHWA rotating tools show superior performance for aluminum and CFRP machining with technology of high wear-resistance and sharp cutting edges.

EHWA DIAMOND / WORLD BEST DIAMOND TOOL

ROTATING TOOLS

EHWA SINCE 1975

Rotierende Werkzeuge

The aircraft industry has begun to use lightweight materials such as aluminum and CFRP to achieve the purpose of improving fuel efficiency. Such application has been continuously developed and applied. In particular, CFRP, which has superior strength than that of iron, is a difficult-to-cut material.
Conventional tools wear faster and thus, difficult to perform ideal quality.
EHWA rotating tools show superior performance for aluminum and CFRP machining with technology of high wear-resistance and sharp cutting edges.

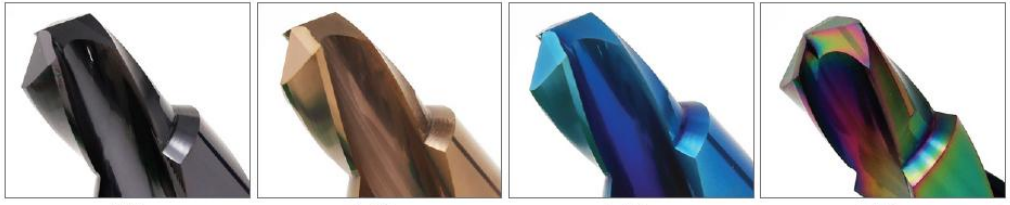
With outstanding cutting force, EHWA helical endmills ensure excellent high-feed machining with a high material removal rate and high process reliability.

In the aerospace industry, components for turbine and jet engines are crafted from nickel alloys as Inconel, which are renowned for Heat resistance, but difficult-to-cut. EHWA has newly developed a helical-type ceramic endmill specially designed for machining HRSA.

ROTATING TOOLS

EHWA SINCE 1975

Produktlinien



PRODUCT LINES

ROTATING TOOLS

EHWA SINCE 1975

PCD-Wendel-Schaftfräser

PCD HELICAL ENDMILLS

With outstanding cutting force, EHWA helical endmills ensure excellant high-feed machining with a high material removal rate and high process reliability.

. Burr free by high rake angle

. High speed, high efficiency

. Excellent surface roughness

Shank:
Tungsten Carbide

ROTATING TOOLS

EHWA SINCE 1975

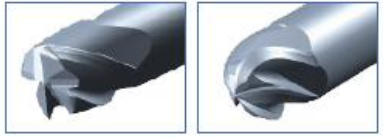
Keramik-Schaftfräser

NEW PRODUCT

Large helix angle
- Minimizes cutting load
- Outstanding cutting force

CERAMIC ENDMILLS

Ceramic SiAlON grade
- Advantageous for machining HRSA



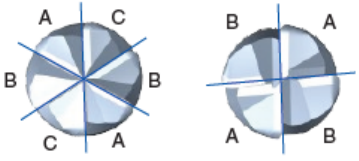
EC2008 Features]

SiAlONs are ceramics based on the elements silicon (Si), aluminium (Al), oxygen (O) and nitrogen (N).--Ideal for machining under high-temperature and high-pressure conditions, such as those encountered in turbine and automotive engine parts., thanks to its exceptional heat resistance and low thermal conductivity.

EC2008 EHWA Ceramic Grade

Grade	SiAlON
Color	Dark Olive Green
Workpiece	HRSA (Heat-Resistant Super Alloy)

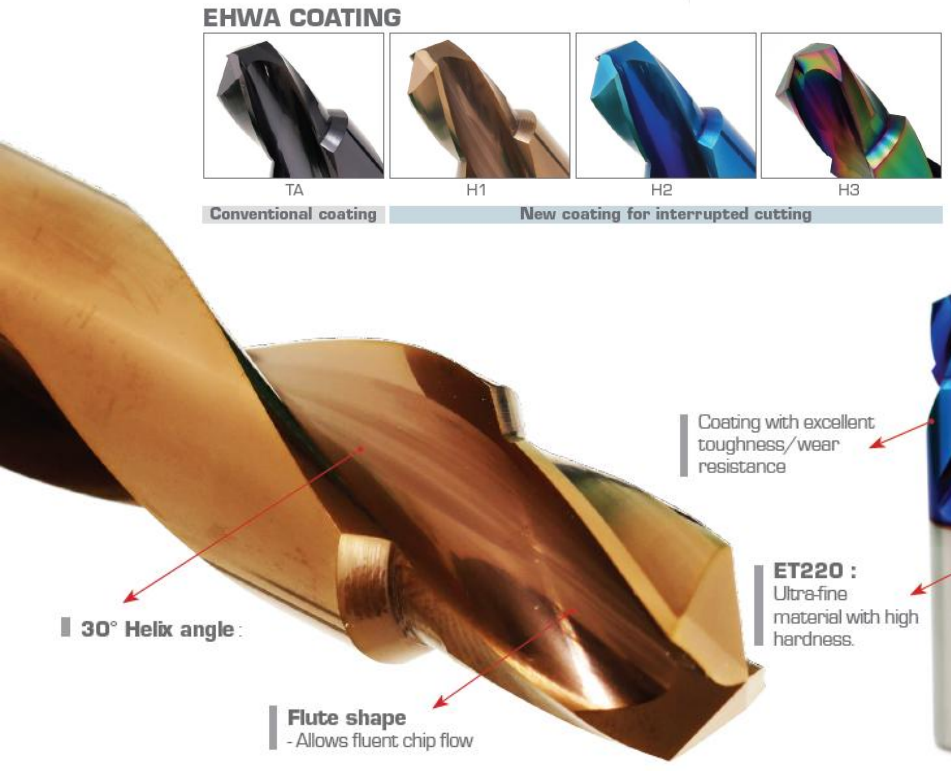
Asymmetric design



ROTATING TOOLS

EHWA SINCE 1975

Vollhartmetallbohrer



SOLID CARBIDE DRILLS

ET220

Ultra-fine material with high hardness and high fracture toughness.
Helix drills with 2-3 coolant holes for steel.

ROTATING TOOLS

EHWA SINCE 1975

Hartmetallbohrer für Aluminiumlegierungen

CARBIDE DRILLS FOR AL ALLOYS

ET110
Fine carbide material with polished surface.

ROTATING TOOLS

EHWA SINCE 1975

Vollhartmetall-Schaftfräser

SOLID CARBIDE ENDMILL

Ball endmill

For curved processing / Roughing / Finishing

Square endmill

For side and planar machining / Roughing / Finishing

Taper Ball endmill

For curved processing / Finishing