

SHREE TRADERS

Cutting tools and Pneumatics Automation

HSS ENDMILL CUTTER

Material:

→ Made from High-Speed Steel (HSS)

Use:

→ Cutting & Milling operations like:

- Slotting
- Facing
- Side cutting
- Contouring
- Pocketing

Types of HSS Endmill Cutters:

Type	Use	Material Cut
2 Flute	Soft material, Aluminium, Plastic	Non-ferrous metals
4 Flute	Steel, Cast Iron, General use	Ferrous metals
Ball Nose	3D curves & die work	Mild steel, Alloy steel
Roughing	Heavy cutting, faster removal	Hard metals
Corner Radius	Extra tool life	Harder materials

Common Sizes Available:

- Dia → 2mm to 50mm
- Length → Short & Long series
- Flutes → 2, 3, 4, 6

Coating Options:

Coating	Benefit
Uncoated	General purpose
TiN	Longer life
TiAlN	High heat resistance
TiCN	Hard materials

Top Brands:

- Addison
- Miranda
- YG-1

Price Range (Approx):

Size	Price (Each)
4mm	₹100 - ₹300
6mm	₹150 - ₹400
10mm	₹300 - ₹700
20mm	₹800 - ₹2000+

(Prices vary brand to brand)

Final Tip:

→ Select HSS Endmill Cutter based on:

1. Material to cut
2. Size needed
3. Type of machine (Manual / CNC)
4. Coating for tool life

Slotting



Side milling



Tapering



Profiling



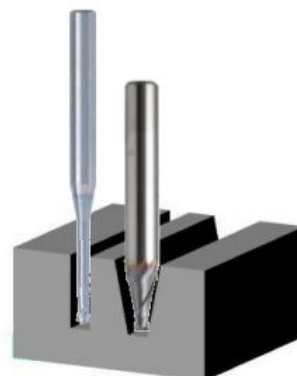
Contouring



Pocket milling



Ribbing

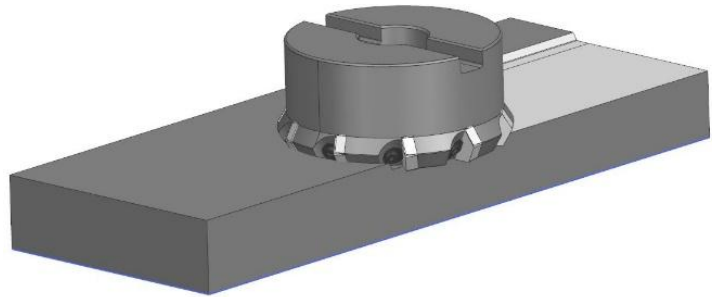


Spot facing



FACE MILLING

- Face milling uses a milling cutter to create a flat surface on a workpiece.



SHOULDER MILLING

- Shoulder milling creates two surfaces at once by combining peripheral and face milling.

INSERT USED IN MILLING CUTTER

ONMU

SNMX

PNMU

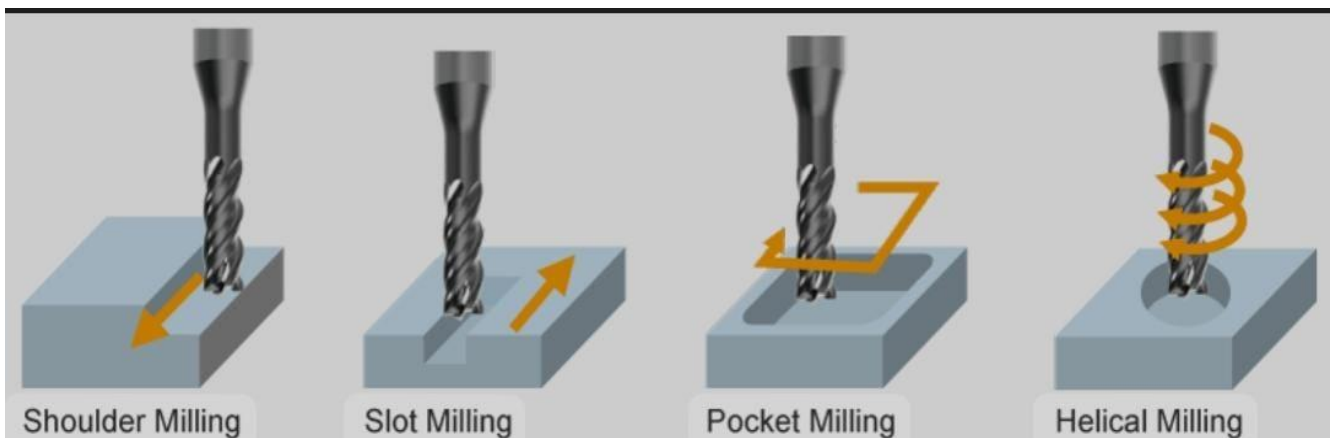
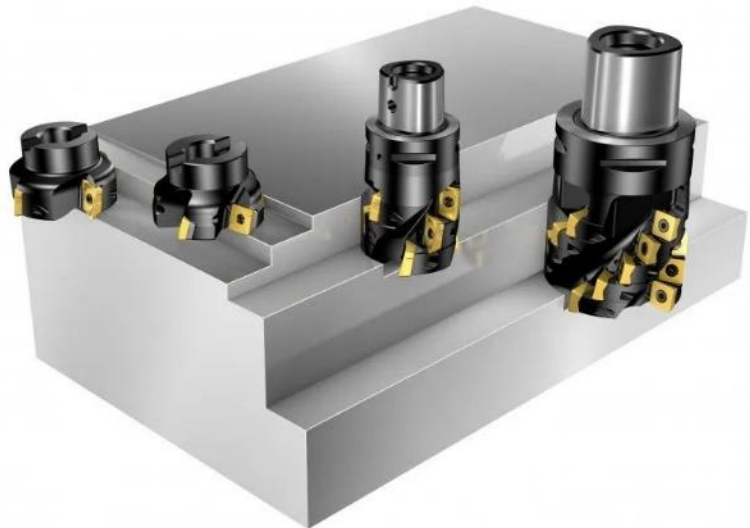
ENMX

TPKN

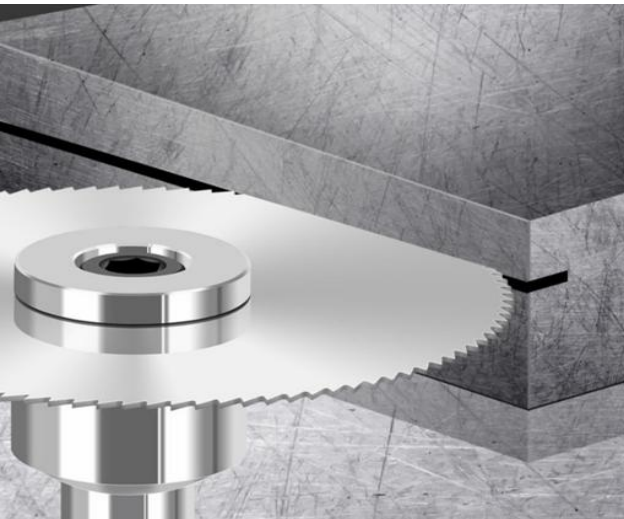
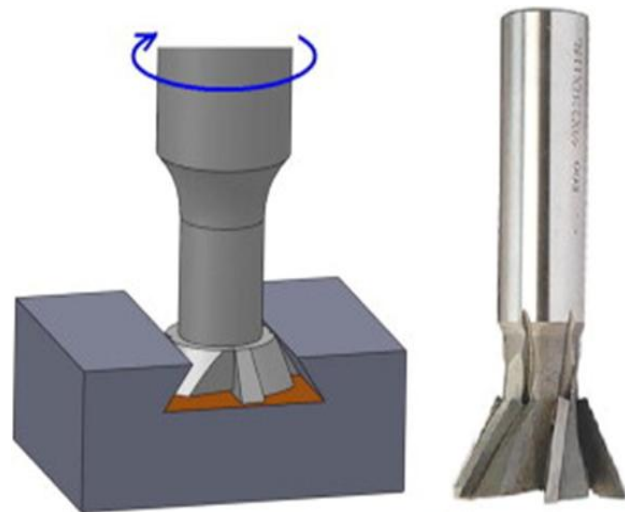
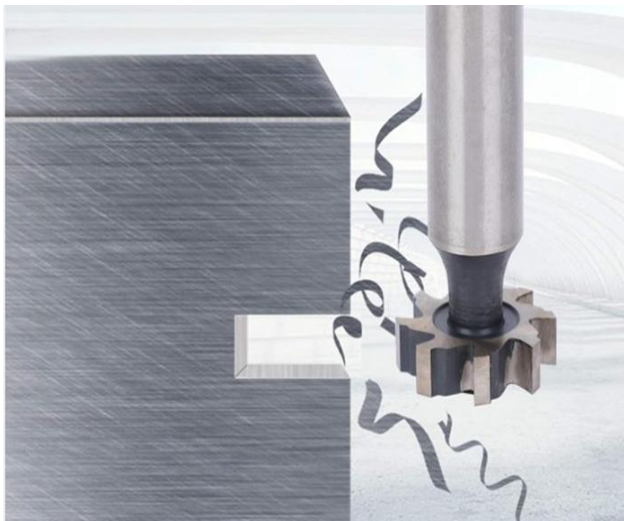
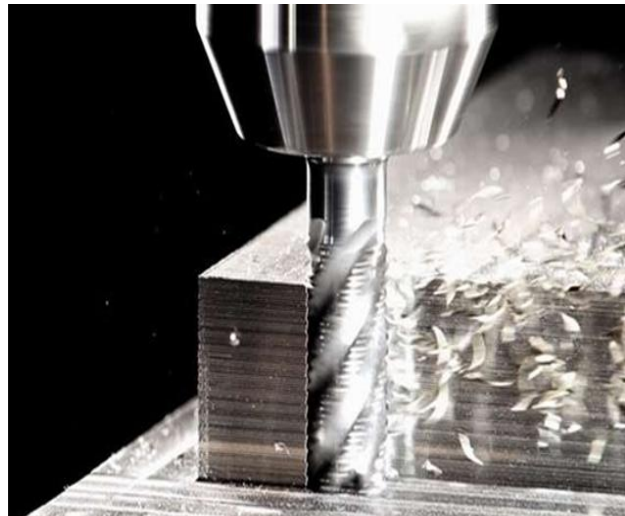
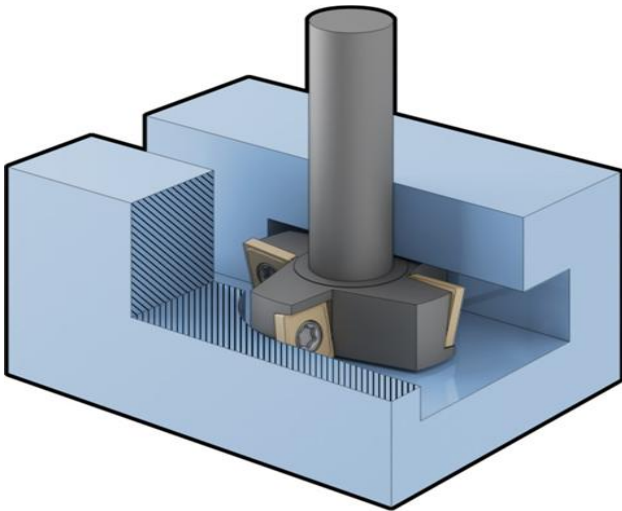
TPAN

APMT

RPMT



DIFFERENT TYPES OF MILLING CUTTER



ROW- 1-T- SLOT, ROUGHER ENDMILL
ROW-2- WOODRUFF, DOVETAIL
ROW-3- SLITTING CUTTER, THREAD MILL