

FEATURES	MARKET NEEDS	MECHANICAL CLAMPING	VACUUM CLAMPING	MAGNETIC CLAMPING	ADHESIVE/WAX HOLDING	F-GRIP ADHESIVE SOLUTION
Material						
Type	All kind of materials (metals, ceramics, plastics, foams)	✓	✓	✗	✓	✓
Clamping surfaces	All kind of geometries small size surfaces	✗	✗	✗	✗	✓
Machining						
Clamping force	High, > 700 N/cm ²	✓	✗	✗	✗	✓
Cutting tool accessibility to the part	Maximum accessibility	✗	✓	✓	✓	✓
N° of clamping operations	Minimum	✗	✓	✓	✓	✓
Clamping preparation	Outside CNC	✓	✗	✗	✓	✓
Supply need during clamping	No	✓	✗	✗	✓	✓
Quality						
Damage/deformation on the clamping	No	✗	✓	✓	✓	✓
Chatter vibrations	Minimum	✗	✗	✗	✗	✓
Clamping affects machining precision	No	✓	✗	✓	✗	✓
Environment						
Residues generated	Minimum	✓	✓	✓	✗	✓