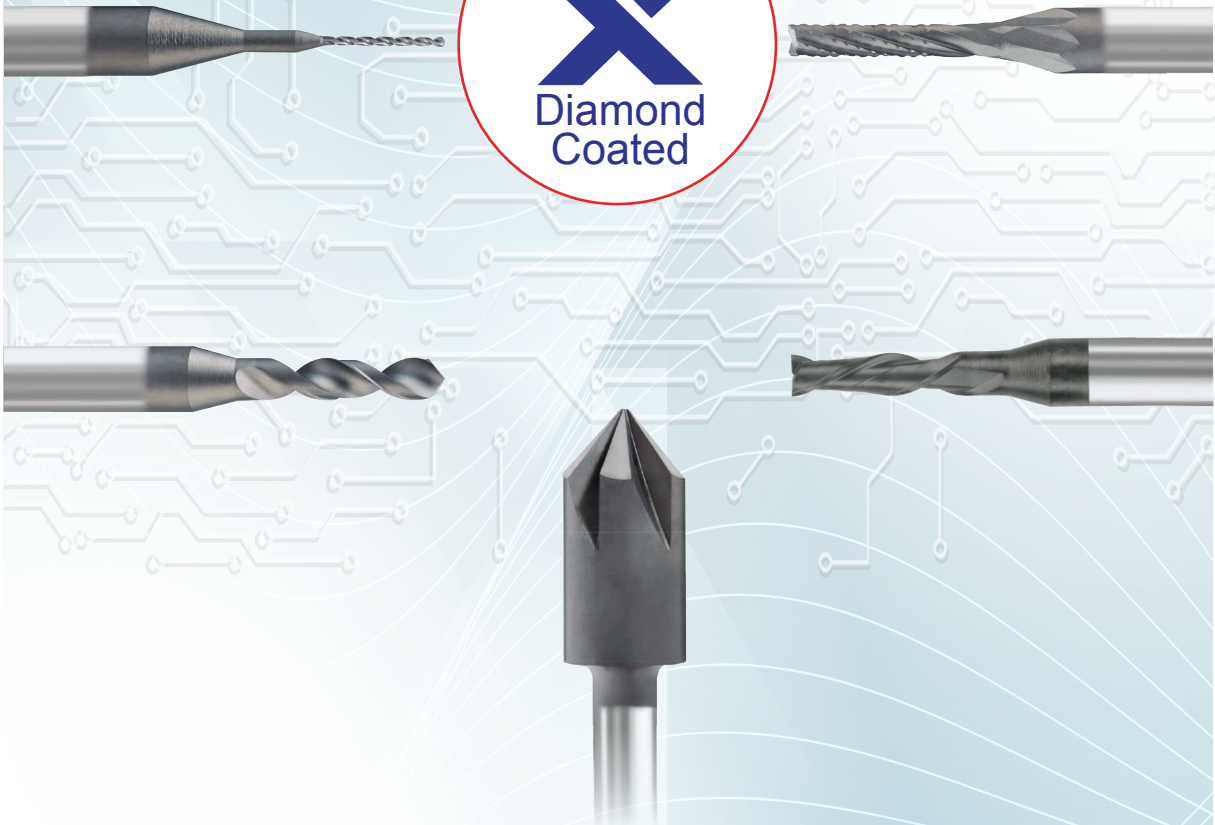


IND-SPHINX[®]

PCB DRILLS | PCB ROUTERS
PCB SPECIALS

CVD Diamond Coated Tools For PCB Industry



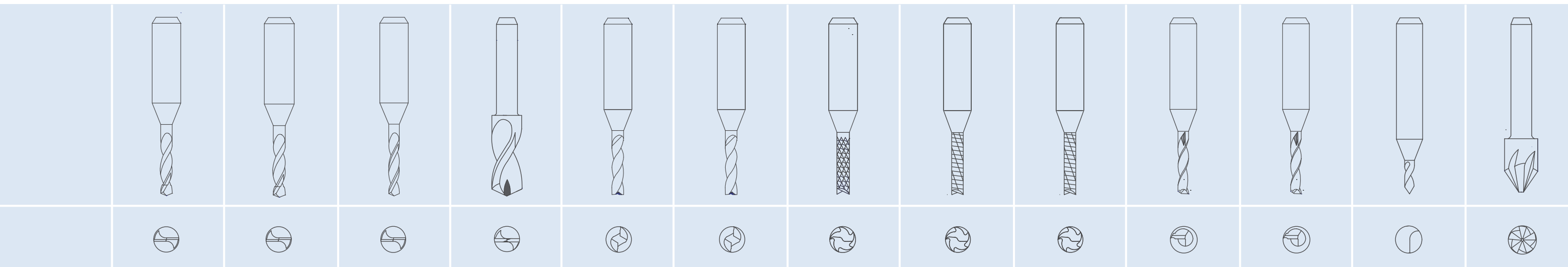
Reduced friction
High heat resistance
High dimensional accuracy
High hardness ~ 10,000 HV 0.05



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	PCB Undercut Drill Diamond Coated	PCB Undercut Drill Diamond Coated	PCB Standard Drill Diamond Coated	PCB Inverse Drill Diamond Coated	PCB 2-Flute Router Diamond Coated	PCB 2-Flute Router Diamond Coated	PCB Diamond cut Router Diamond Coated	PCB Chip Breaker Router Diamond Coated	PCB Chip Breaker Router Diamond Coated	PCB 1-Flute Router Diamond Coated	PCB 1-Flute Router Diamond Coated	PCB V Score Router Diamond Coated	PCB Chamfering Cutter Diamond Coated
Article	X637D	X638D	X835D	X534D	X829R	X328R	X626R	X740R	X727R	X926R	X924R	X845V	X681C
Dia Range	0.30 - 0.45	0.50 - 1.25	1.30 - 3.175	3.20 - 6.50	0.40 - 3.00	0.40 - 3.00	0.80 - 3.175	0.40 - 3.175	0.40 - 3.175	1.60 - 3.00	2.00 / 3.00	2.00 / 2.40 / 3.175	6.00 / 6.35
Shank Dia	3.175	3.175	3.175	3.175	3.175	3.175	3.175	3.175	3.175	3.175	6.00	3.175	3.175 / 6.00
Overall Legth	38.00	38.00	38.00	38.00	38.00	38.00	38.00	38.00	38.00	38.00	38.00	38.00	38.00
Point	130°	130°	130°	165°	Safe end	Safe end with one teeth over center	Fishtail	Fishtail	Fishtail	Safe end	Safe end	30°, 45°, 60°, 82°, 90°	60°, 75°, 90°, 120°, 140°
Helix	40° Right Helix	38° Right Helix	38° Right Helix	32° Right Helix	30° Right Helix	30° Right Helix	Right Helix Right Cut	Right Helix Right Cut	Left Helix Right Cut	Right Helix Right Cut	Right Helix Right Cut	Right Helix Right Cut	Straight Flute

FEATURES

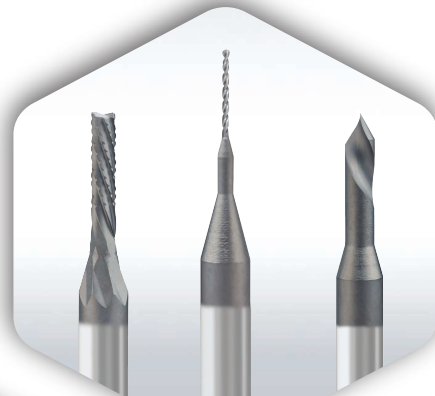
- High hardness ~ **10,000 HV 0.05**
- High dimensional accuracy
- High heat resistance
- Reduced friction



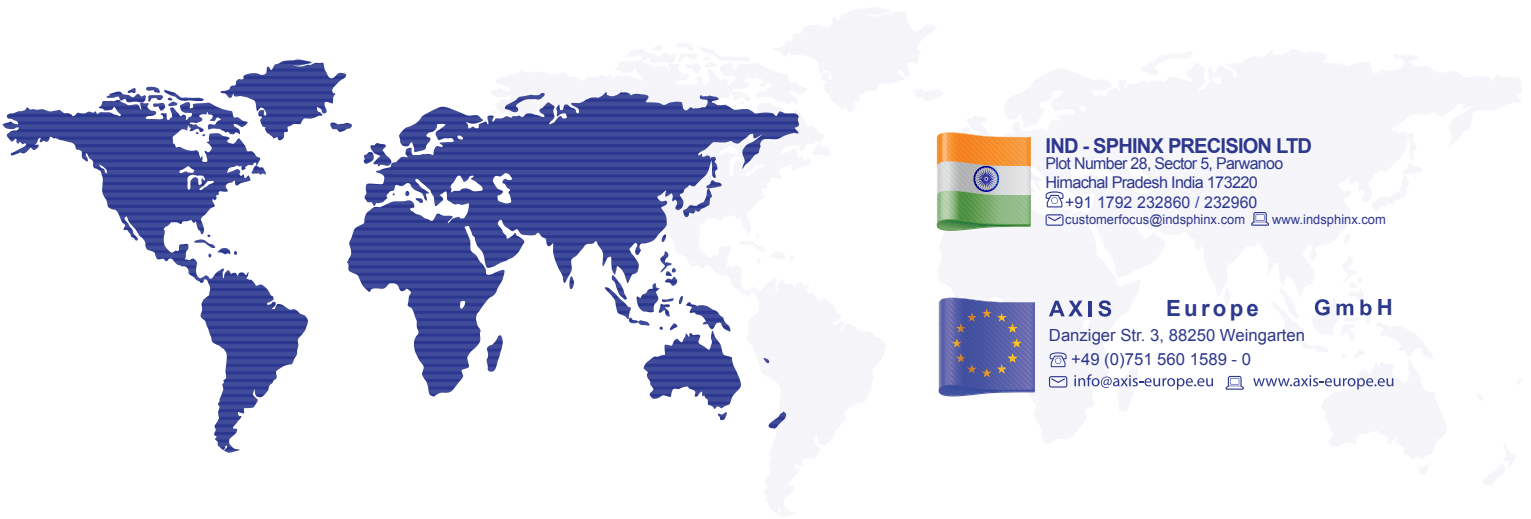
BENEFITS

- Long tool life **5 - 20x**
- Improved process capability
- Increased feed rates
- Smooth chip flow





IND-SPHINX



IND - SPHINX PRECISION LTD
Plot Number 28, Sector 5, Parwanoo
Himachal Pradesh India 173220
☎ +91 1792 232860 / 232960
✉ customerfocus@indsphinx.com 🌐 www.indsphinx.com



AXIS Europe GmbH
Danziger Str. 3, 88250 Weingarten
☎ +49 (0)751 560 1589 - 0
✉ info@axis-europe.eu 🌐 www.axis-europe.eu

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