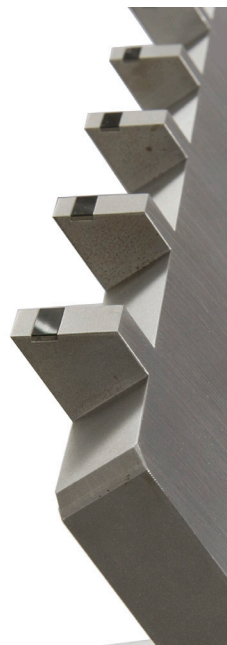
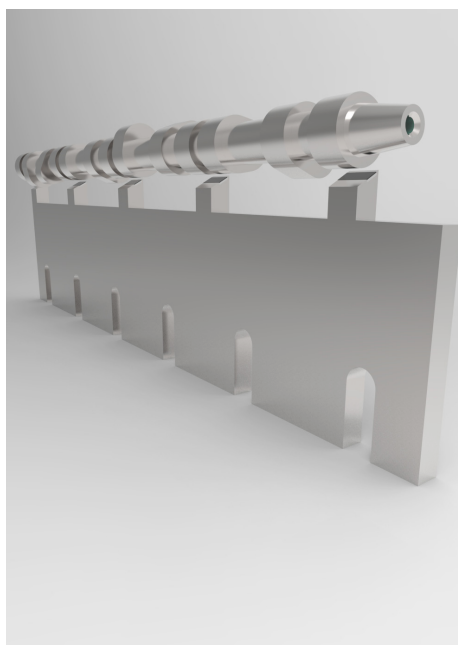




PCD - the ultimate wearpart material
PolyCrystalline Diamond



With over 30 years of experience producing polycrystalline diamond (PCD) wearparts in Sweden, we know how to provide you with great PCD wearpart solutions to improve your productivity, quality and economy.

Dianor Diamond PCD wearpart solutions utilize diamond's extreme hardness and exceptionally low coefficient of friction. In combination with its strength, toughness and adaptability, PCD is the ultimate wearpart material.

Products

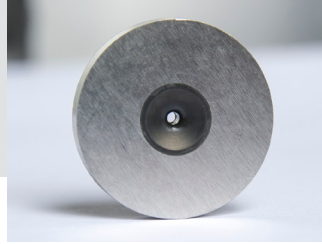
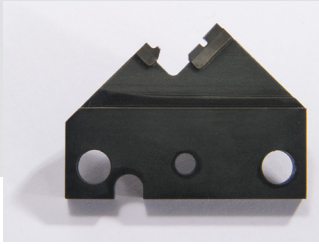


Why PCD

Diamond is the hardest material known to man which makes PCD a superior material when it comes to wear, precision, reduction of friction and not to forget incomparable lifetime!

Traditionally tungsten carbide was the natural choice of material, we equip our wearparts with PCD to increase your productivity, quality and economy.

- Tool cost reduction: A tool with practically none to very little wear will reduce your tool cost over time.
- Production compensation time savings: The wear resistance of PCD wearparts makes adjusting and compensating history which allows you to spend your time producing instead.
- Quality cost reduction: An absolute reference provides constant conditions. The measure spread decreases, in addition roundness etc. often gets improved. This means that the control and error cost can be reduced.
- Quality gains: Smaller measure spread, better roundness and improved surface quality. PCD wearparts improves your precision and makes machining to smaller tolerances possible.
- Advantage: The improved quality and economy gives you a competitive advantage. Very few who tried PCD turns back to their old solution.

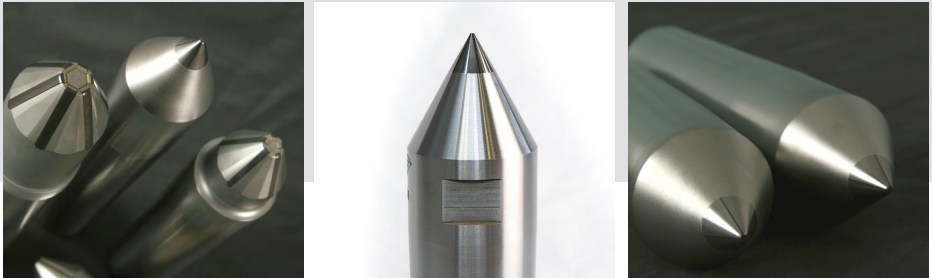


Example of PCD wearpart applications:

- Support and reference details
- Wearpart in general
- Restblades and pads for feed thru as well as plunge-in centreless grinding
- Dead Centre / Centre points
- Support pads for lathes/turning machines
- Centring and positioning components for various operations
- Measuring fixtures
- Measuring probes and points
- Master gauges
- Spray nozzles



Dead Centre / Centre Points



We supply machine centre points equipped with PCD sintered in five veins into a tungsten carbide carrier. Benefits:

- Extreme wear resistance
- Low friction
- Reduces vibration related surface problems
- Reduces vibration noise
- Better roundness due to the low friction
- No heat build-up in centre, especially good for long cycle time operations

With PCD-centres you do not need to add grease. Grease contaminates your coolant and creates a hassle for your operators. Coolant emulsion or oil guided to the centre is all you need.

Simply makes one parameter absolute and creates a stable process.

Dianor Diamond supplies PCD-centres to standard DIN for easy transition as well as tailormade centres for your operation only.

