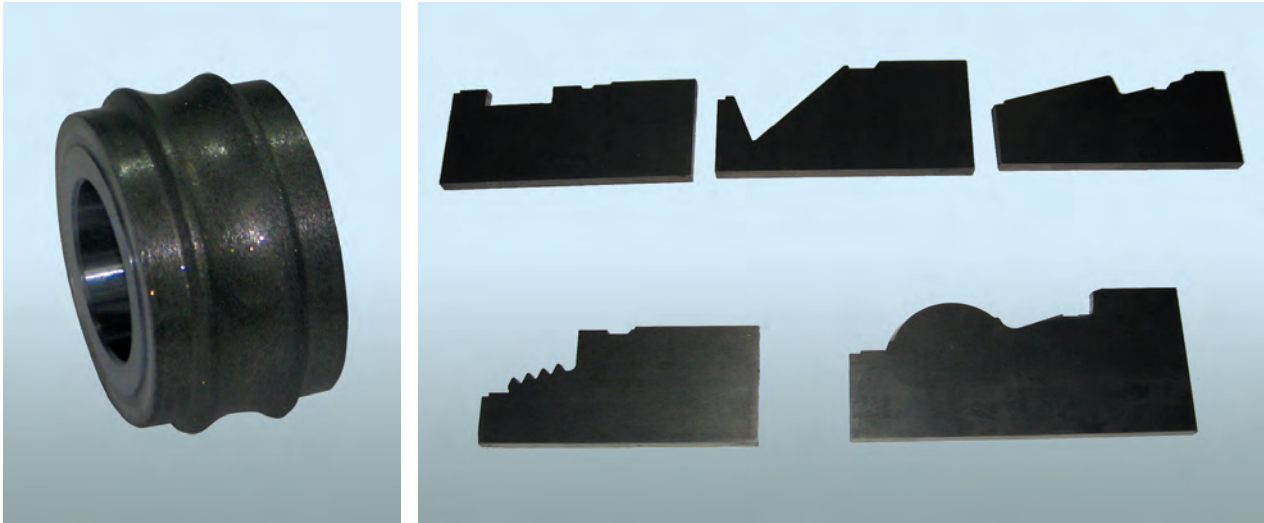


GEOMETRICALLY COMPLICATED DIAMOND DRESS ROLLERS



Geometrically complicated diamond dress roller (left) and profiles obtained with the use of diamond rollers (right)

Areas of Application

Precision diamond dress tool for profile grinding and polishing operations in various fields of engineering

Specification

The body parameters: bore tolerance H3; radial runout tolerance 0.002 mm, axial runout tolerance 0.002 mm.

The profile parameters:
length tolerance 0.005 mm,
height tolerance 0.002 mm;
cylindricity tolerance 0.002 mm;
linearity tolerance 0.002 mm;
surface profile tolerance 0.002 mm;
dimension tolerance 0.02 mm;
radius tolerance 0.15 mm;
angle tolerance 3'

Advantages

The tool has as good technical characteristics as the imported counterparts and is much cheaper

Stage of Development.

Suggestions for Commercialization

IRL3, TRL4

Manufacture, delivery, warranty service, and staff training, upon request

IPR Protection

IPR1, IPR3

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