

# Solutions for Paper Roll Grinding

Solar Diamond offers complete Grinding and Dressing solutions for HVOF coated Paper Roll. Diamond tools are manufactured in State-of-the-Art facility as per customer Design.



Robot assisted HVOF Coating



HVOF Coated Roll Grinding



HVOF Coated Finished Roll

## Application

Grinding of High Velocity Oxygen Fuel spray (HVOF) coated Rolls for manufacturing of Paper (70 GSM to 250 GSM), Tissue papers & Sanitary Napkins by using Resin, Metal, and Vitrified Diamond wheels.

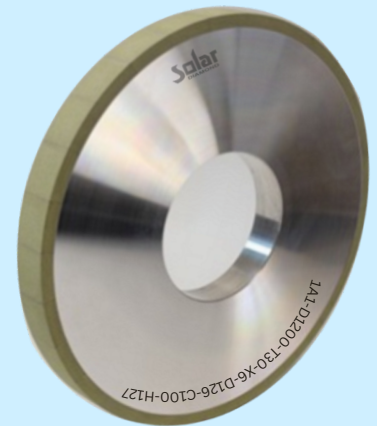
**Machines** - Waldrich S, Herkules, H. Georg, & others

**Roll Material** - Cast Iron / Steel Roll Coated with Tungsten Carbide

**Wheel Shapes:** 1A1, 1F1

**Diameter range** : 400 to 1200 mm

**Grit Size** : 30, 46, 126, 151, 181



Vitrified Diamond Segmented Wheel

## Benefits :

- Reduced grinding time
- Faster delivery
- Free cutting
- Consistent life



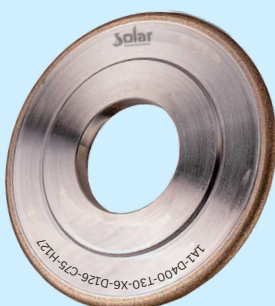
Diamond Roll Infiltrated



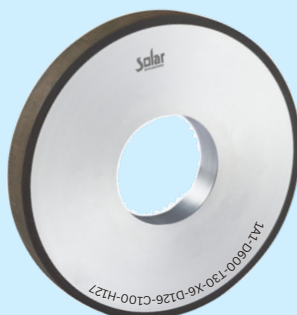
Diamond Roll (CVD)



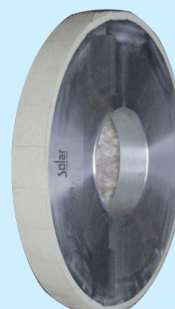
Dressers (Natural / MCD)



Metal Bond Diamond wheel for scraping used HVOF coated Rolls



Resin Bond Diamond wheel Full Rim / Segmented Wheel for HVOF coated Roll (New / Re-coated)



Dressing sticks