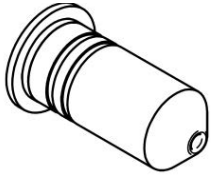


# Data sheet Nozzle A350

Nozzle for PlasmaBrush PB3 / PG-31 atmospheric plasma generator



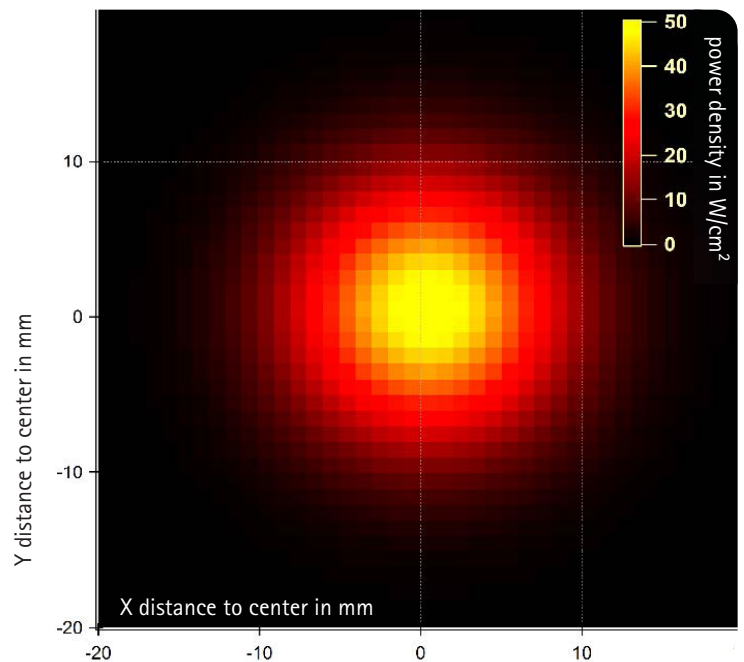
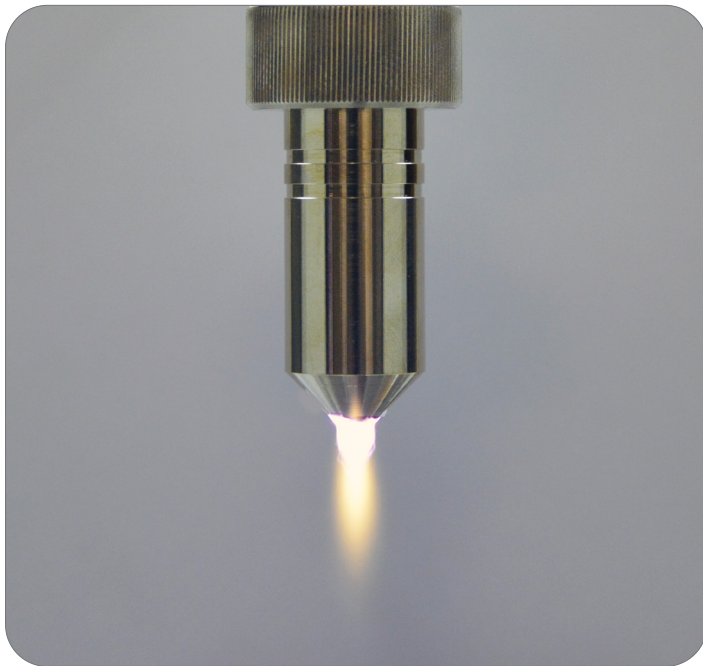
Nozzle A350 is a high performance nozzle powered by a Pulsed Atmospheric Arc (PAA) generator (PG-31) and a pulsed high voltage power supply (PS2000).

## Functions of nozzle A350

- ◇ Focusing of the plasma flame
- ◇ Grounded cathode for the high power arc
- ◇ Formation of the cavity to excite the process gas

## Field of application of nozzle A350

- ◇ Surface cleaning
- ◇ Surface activation
- ◇ Optimized for sensitive materials



Description	
Nozzle type	A350
Nozzle length	50 mm
Outlet	4 mm
Outer diameter	21 mm
Weight	90 g

Process parameters	
Permissible gases	Air, Nitrogen, Forming gas 95/5
Gasflow	35 - 60 L/min
Working distance	5 - 30 mm
Activation width	5 - 15 mm
Lifetime *	> 500h (Operation with Air); > 1000h (Operation with Nitrogen)

**\* Please note:**

A guarantee for the service life of the nozzles cannot be given, as this depends considerably on the integration situation and application. The service life depends, among other things, on factors such as duty cycle, degree of contamination, process gas, treated material, power or working distance.



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A TDK GROUP COMPANY

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## Typical activation results

