

**TRUMPF TruLaser Cell 3000 with TruDisk 6001 (NOTE: 6 kW laser can run as low as 200 W)**

**Nozzles available:**

**Pay careful attention to the powder size ranges for each nozzle.**

Lower limit: Powders smaller than 15 µm will not work with the fine nozzles and are not permitted.

Upper limit: While 90 µm is specified as the upper limit for some of the nozzles, powders commonly available with a 106 µm upper limit typically work with those nozzles. Though not guaranteed, they may be used.

**Coax (fine)**

- powder spot size 0.5 mm
- power 200 W to 0.5 kW
- tilt 0-10°
- for use with fine powders and printing fine features/knife edges

**Coax (standard)**

- powder spot size 0.9 mm
- power 200 W to 1.0 kW
- tilt 0-10°
- most common, for use with standard powders

**SO 12 (3-beam)**

- powder spot size 2.5 mm
- power 1.0 kW to 3.0 kW
- tilt 0-90°

**EHLA (multijet, 7)**

- powder spot size 3 mm
- power 200 W to 8 kW
- tilt 0-90°



Nozzle	Coax nozzle fine	Coax nozzle	3 Beam Nozzle SO 12	MultiJet
Ø powder spot	0,5 mm	0,9 mm	2,5 mm	<3 mm
Max. power	0,5 kW	1 kW	3 kW	8 kW
Stand-off	7	7	12	13,5
Max. tilting angle nozzle vs. horizontal	0° - 10°	0° - 10°	0° - 90°	0° - 90°
Typical grain size	15 – 45 µm 45 – 75 µm	45 – 90 µm	45 – 90 µm	15 – 45 µm 45 – 90 µm