

Solukon depowdering systems in comparison



Solukon is the pioneer and technical leader of automated depowdering of metal laser melted parts. All Solukon systems are based on the unique depowdering technology SPR® (Smart Powder Recuperation). Solukon systems remove loose powder from metal laser melted parts within a sealed process chamber, using adjustable vibration and automated two-axis part rotation. Through programmable rotation of the build-plate in two axes, unfused metal build material is completely removed from complex channels and geometries. This means a significant increase in efficiency, security and quality while saving costs. The postprocessing systems differ primarily in terms of the dimensions of the component to be cleaned and the movement options of the swivel arms.



Comparison	SFM-AT200	SFM-AT350/-E	SFM-AT800-S	SFM-AT1000-S
Installation space [m]	2 x 2 x 2	2.3 x 2.3 x 2.3	3 x 3 x 3	3.5 x 2.5 x 3
Machine weight [kg]	200	420	900	950
Part dimensions [mm]	300 x 300 x 230	350 x 350 x 420	600 x 600 x 600	600 x 600 x 1000
Maximum part weight [kg]	60	60	300	800
Adjustable vibration	✓	✓ SFM-AT350	✓	✓
Pneumatic knocking	✓	✓ SFM-AT350	✓	✓
Piezoelectric excitation		✓ SFM-AT350-E		
Programmable vibration		✓	✓	✓
Programmable 1-AXIS movement	✓	✓	✓	✓
Programmable 2-AXIS movement		✓	✓	✓
Programmable 2-AXIS positioning		✓	✓	✓
Compatible with SPR-Pathfinder® software		✓	✓	✓
Programmable blowing with air/argon/nitrogen		✓	✓	✓
Manual blowing with air/argon/nitrogen		✓	✓	✓
Safety controlled inert gas infusion	✓	✓	✓	✓
OPC UA control		✓	✓	✓
Contamination free powder recovery	✓	✓	✓	✓
Front loading		✓	✓	✓
Top loading	✓		✓	✓
Back loading			✓	✓