

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.



| Comparison | SFM-AT200 | SFM-AT300 | SFM-AT800/-S | SFM-AT1000-S |
|--|-----------------|-----------------|-----------------|------------------|
| Installation space [m] | 2 x 2 x 2 | 2 x 3 x 2.5 | 3 x 3 x 3 | 3.5 x 2.5 x 3 |
| Machine weight [kg] | 200 | 450 | 900 | 950 |
| Part dimensions [mm] | 300 x 300 x 230 | 350 x 350 x 430 | 600 x 600 x 600 | 600 x 600 x 1000 |
| Maximum part weight [kg] | 60 | 60 | 300 | 800 |
| Ajustable vibration | ✓ | ✓ | ✓ | ✓ |
| Pneumatic knocking | ✓ | ✓ | ✓ | ✓ |
| Programmable vibration | | | ✓ | ✓ |
| Programmable 1-AXIS movement | ✓ | ✓ | ✓ | ✓ |
| Programmable 2-AXIS movement | | ✓ | ✓ | ✓ |
| Programmable 2-AXIS positioning | | | ✓ | ✓ |
| Programmable blowing with air/argon/nitrogen | | ✓ | ✓ | ✓ |
| Manual blowing with air/argon/nitrogen | | ✓ | ✓ | ✓ |
| Safety controlled inert gas infusion | ✓ | ✓ | ✓ | ✓ |
| OPC-UA control | | | ✓ | ✓ |
| Contamination free powder collection | ✓ | ✓ | ✓ | ✓ |
| Front Loading | | ✓ | ✓ | ✓ |
| Top Loading | ✓ | | ✓ | |
| Back loading | | | ✓ | ✓ |