



## POWERFUSE S

Lowest costs per run with the leading green vapor smoothing solution for industrial manufacturing at scale

### Lowest costs per run in the industry

Unlock unbeatable cost efficiency when vapor smoothing at scale with the Powerfuse S. This standalone system requires no external components and fits seamlessly into any production footprint. Integrated solvent recovery drastically reduces consumable consumption, resulting in up to 12x lower running costs when compared to solutions without integrated solvent recovery.

### Seamlessly scale your AM production with autoloading

The Powerfuse S is the only system on the market with autoloading capabilities that can run operator-free & fully automated 24/7. The system is Industry 4.0 ready, offering traceability and connectivity via our IoT offering. Flexibly smooth different part sizes and geometries, all in the same run.

### Consistently great parts - all without PFAS

Sophisticated process control enables reproducibility, geometry independence and various levels of smoothing - all without PFAS. The non-toxic VaporFuse VF47 EcoFluid is safe to use and operating the Powerfuse S does not require protective clothing against chemical hazards. No additional equipment or reconstruction of installation site needed.

# TECHNICAL DATA

## POWERFUSE S

manual loading options



### PERFORMANCE

Cycle time

45 - 180 Minutes<sup>1</sup>

Process chamber volume

85l | 22.5gal

Basket dimensions (L x W x H)

610mm x 340mm x 315mm | 24.0inch x 13.4inch x 12.4inch

### COMPATIBLE MATERIALS

PA, TPU, ULTEM & more

Detailed material list available on request

**Want to smooth polypropylene (PP)?**

We have a special Powerfuse S PP version! Reach out to us for more information.

### DIMENSIONS

System (L x W x H)

Powerfuse S: 1850mm x 1700mm x 2070mm | 72.8in x 66.9in x 81.5in

Manual Loading Unit: 705mm x 1700mm x 850mm | 27.8in x 66.9in x 33.5in

Automatic Loading Unit: 960mm x 3466mm x 1300mm | 37.8in x 136.5in x 51.2in

Recommended space requirement for operation (L x W x H)

Powerfuse S Manual: 2650mm x 3170mm x 2570mm | 8,4m<sup>2</sup>

104in x 125in x 101in | 90.4ft<sup>2</sup>

with Manual Loading Unit: 3505mm x 3300mm x 2500mm | 10,2m<sup>2</sup>

138in x 130in x 99in | 109.8ft<sup>2</sup>

with Automatic Loading Unit: 3760mm x 4266mm x 2500mm | 16,0m<sup>2</sup>

148in x 168in x 99in | 172.2ft<sup>2</sup>

### WEIGHT

System

1600kg | 3527lb

Manual loading unit

180kg | 397lb

Automatic loading unit

800kg | 1764lb

### POWER

Supply

ca. 20kW

Requirements

400V, 50Hz, 63A or 480V, 60Hz, 63A

### COMPRESSED AIR

Consumption

Approx. 70l | 18.5gal at 6bar | 87psi per run

### NOISE EMISSION

Sound level

< 70dB (A)

### CLIMATIC CONDITIONS

Room temperature

max. 40°C | 104°F

Relative humidity

max. 80%



### CERTIFICATION

CE | 2006/42/EG

| 2014/68/EU

<sup>1</sup> Depending on program, excl. heating-up time of the system of approx. 60 minutes.  
Automatic heating-up programmable via weekly timer.