



# Industrial part and powder management

Technical data

## Powder removal station

## Sieving station

## Powder silo

<b>SHORT OVERVIEW</b>			
FUNCTIONAL OVERVIEW	Unpacking station for reliable, external unpacking of components in a glove box by extracting the powder	Vibration sieve machine with ultrasonic cleaning incl. vacuum conveyor, scale, and electrical cabinet for filling the supply cylinders	Standardized storage and transport container
CONTENTS	Glove box with glove ports Illumination of work area Electrical lift axis Rotary bearing Control	Sieve machine Scale Electrical cabinet Oxygen sensor (optional)	Powder silo incl. pipe bend with air supply Modular expansions available Oxygen sensor (optional)
COMPATIBILITY	TruPrint 3000 TruPrint 5000	TruPrint 2000 TruPrint 3000 TruPrint 5000	TruPrint 3000 TruPrint 5000
<b>DRIVE</b>	Electric stroke; manual rotation	-	-
<b>PERFORMANCE DATA</b>			
SIEVE CAPACITY	-	Up to approx. 100 l/h; approx. 400 kg/h <sup>2</sup>	-
SIEVE INSERT	-	Sieve surface 2800 cm <sup>2</sup> ; 63 µm mesh size <sup>3</sup>	-
CAPACITY	to approx. 100 l/h <sup>1</sup>	to approx. 100 l/h <sup>1</sup>	to approx. 100 l/h <sup>1</sup>
VOLUME OF POWDER CONTAINERS	-	-	Silo volume: 30/80/130/180 l
<b>CONNECTION AND CONSUMPTION</b>			
ELECTRICAL CONNECTION (VOLTAGE)	325 - 525 V	208 - 550 / 230 - 400 V	-
ELECTRICAL CONNECTION (CURRENT INTENSITY)	16 A	16 A	-
ELECTRICAL CONNECTION (LINE FREQUENCY)	50 Hz / 60 Hz	50 Hz / 60 Hz	-
COMPRESSED AIR	7 bar	6 bar	6 bar
SHIELDING GAS	-	Argon, nitrogen (optional)	Argon, nitrogen (optional)
<b>STRUCTURAL DESIGN</b>			
WORK AREA (W X H X D)	990 mm x 965 mm x 990 mm	-	-
DIMENSIONS (W X H X D)	1100 mm x 2100 mm x 1000 mm	2000 mm x 2300 mm x 1000 mm	670 mm x 1600 mm x 600 mm
WEIGHT	750 kg	500 kg	max. 800 kg <sup>4</sup>

## Powder preparation station

<b>SHORT OVERVIEW</b>	
FUNCTIONAL OVERVIEW	Powder preparation station for supplying and sieving the powder
CONTENTS	Sieve machine Scale Powder protection cover
COMPATIBILITY	TruPrint 2000 TruPrint 3000 TruPrint 5000

### DRIVE

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## Powder preparation station

### PERFORMANCE DATA

SIEVE CAPACITY	Up to approx. 15 l/h; ~ 50 kg/h <sup>2</sup>
SIEVE INSERT	Sieve surface 600 cm <sup>2</sup> ; 63 µm mesh size <sup>3</sup>
CAPACITY	-
VOLUME OF POWDER CONTAINERS	-

### CONNECTION AND CONSUMPTION

ELECTRICAL CONNECTION (VOLTAGE)	100 - 230 V
ELECTRICAL CONNECTION (CURRENT INTENSITY)	7.5 / 3.5 A
ELECTRICAL CONNECTION (LINE FREQUENCY)	50 Hz / 60 Hz
COMPRESSED AIR	-
SHIELDING GAS	Argon, nitrogen (optional)

### STRUCTURAL DESIGN

WORK AREA (W X H X D)	-
DIMENSIONS (W X H X D)	1008 mm x 2090 mm x 755 mm
WEIGHT	400 kg

## Footnotes

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1 — in conjunction with vacuum conveyor

2 — depending on the material

3 — further mesh sizes on request (80  $\mu\text{m}$ , 100  $\mu\text{m}$ )

4 — Permissible filled weight, tare weight 35 kg