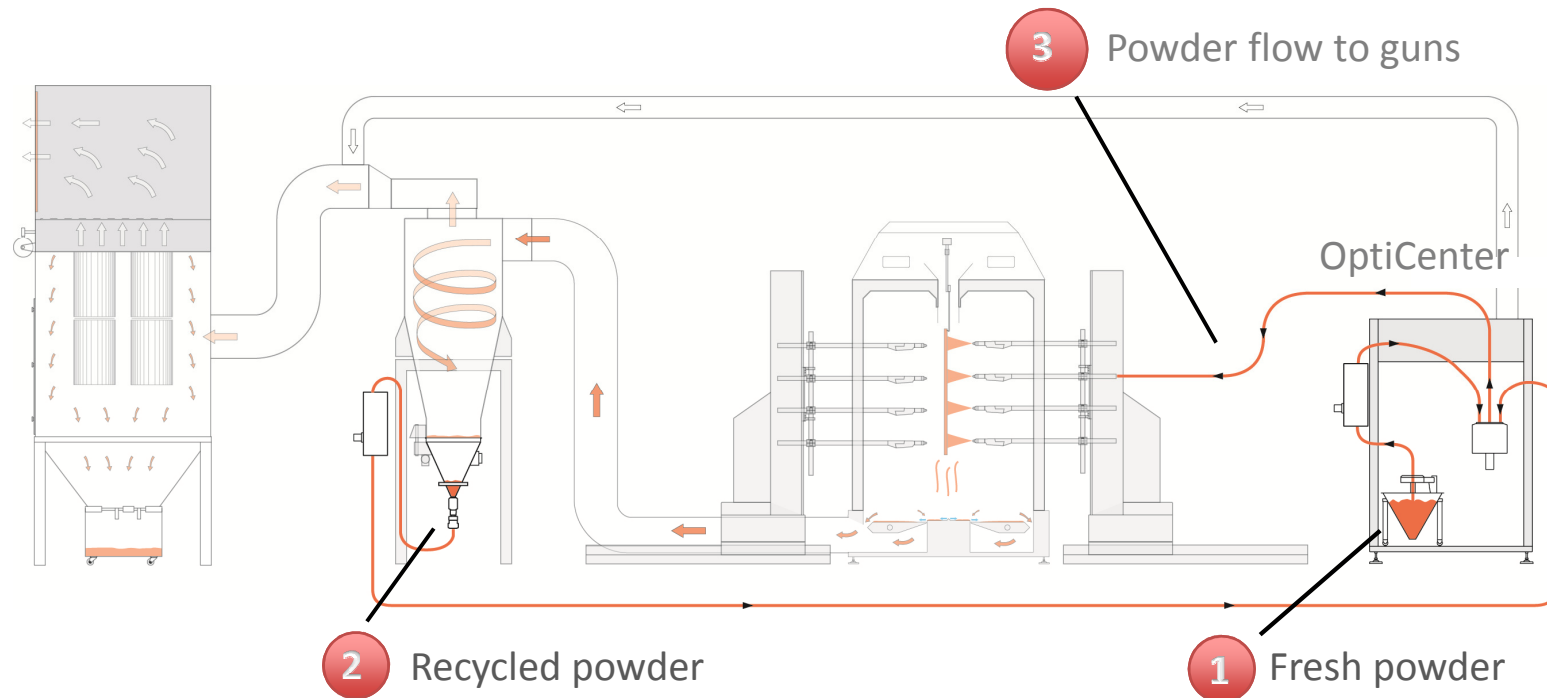


OptiCenter Key Features



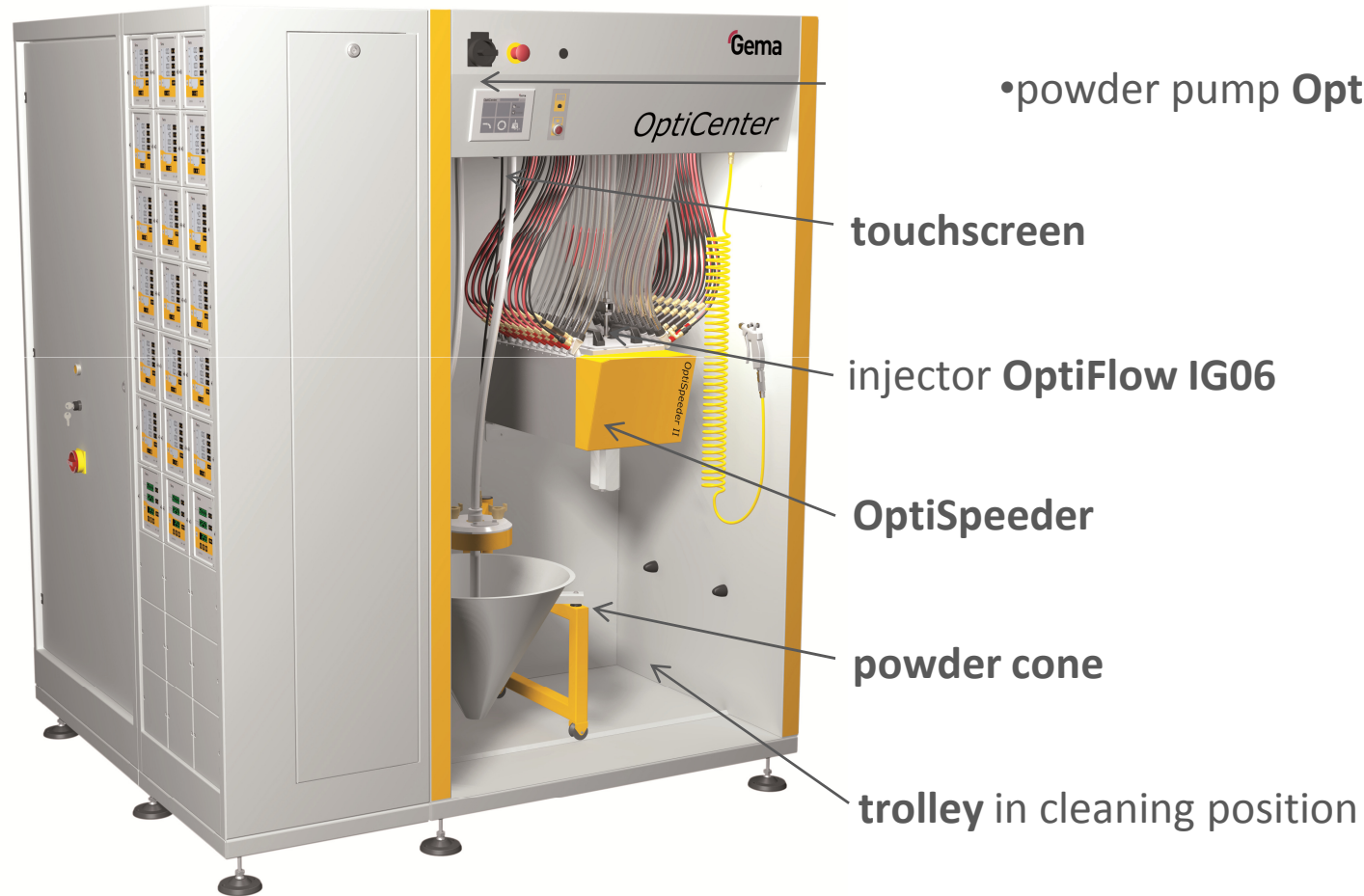
Your global partner for high quality powder coating

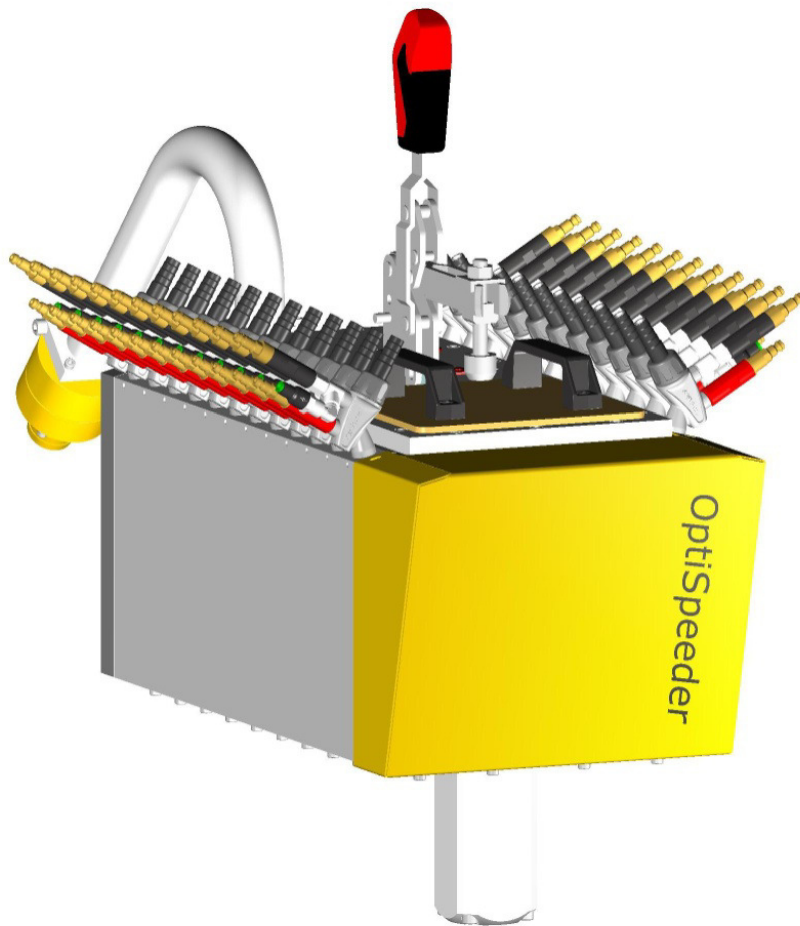
OptiCenter / Powder Circuit



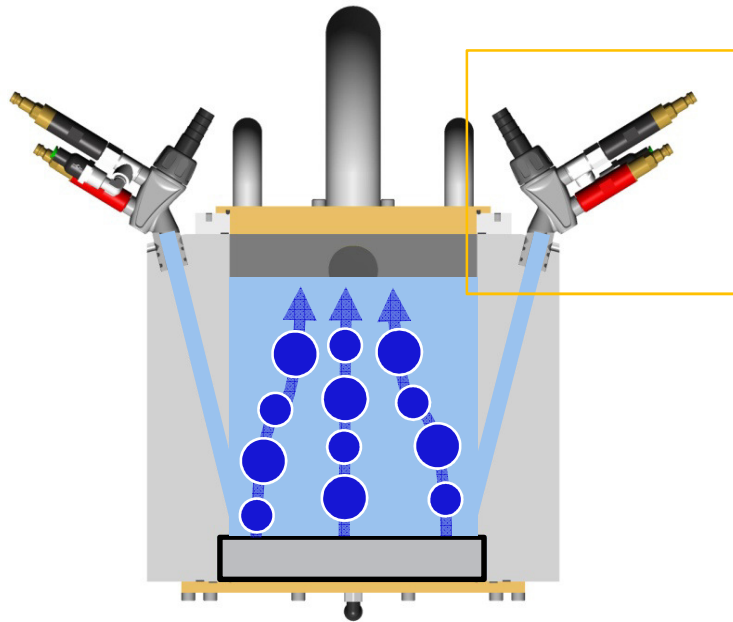
The **OptiCenter powder circulation** works in a completely closed and controlled powder loop

OptiCenter / Overview

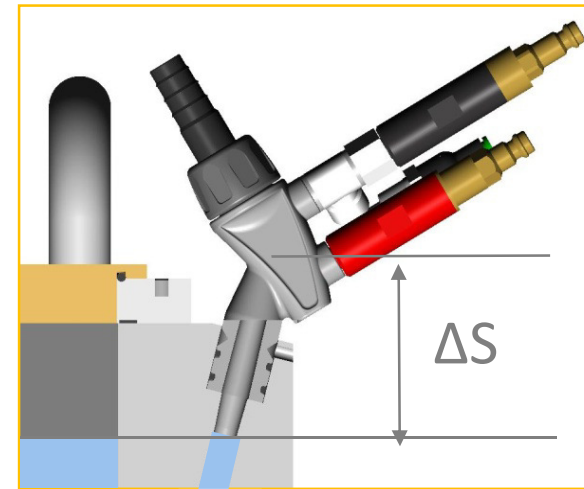




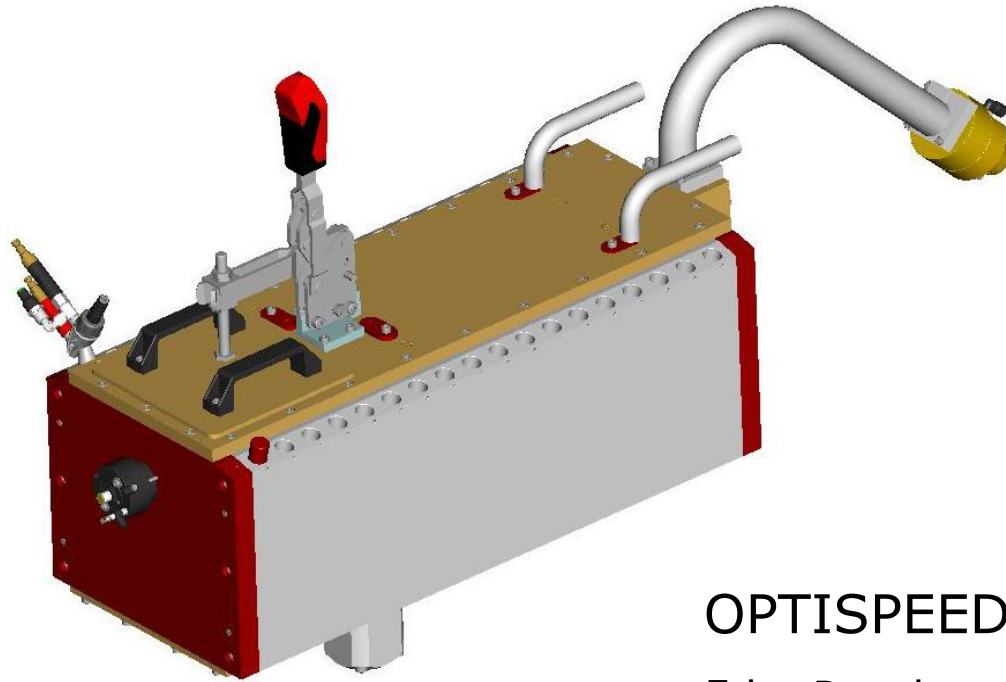
- Powder **level control**
- **Automatic fresh powder supply**
- **Consistent powder flow** with short suction tubes
- **Automatic hopper discharging**
- **Automatic hopper cleaning**



Closed powder hopper



Precise powder flow
constant powder level
short suction tubes

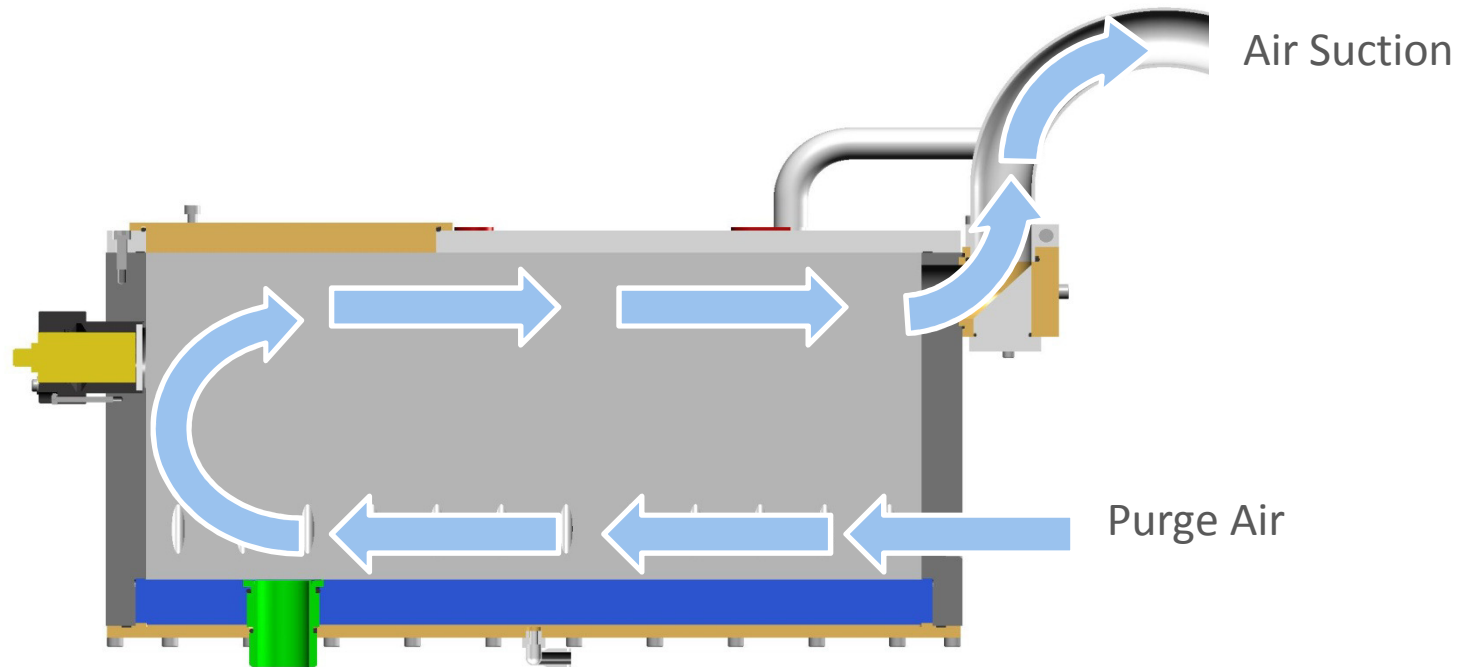


OPTISPEEDER

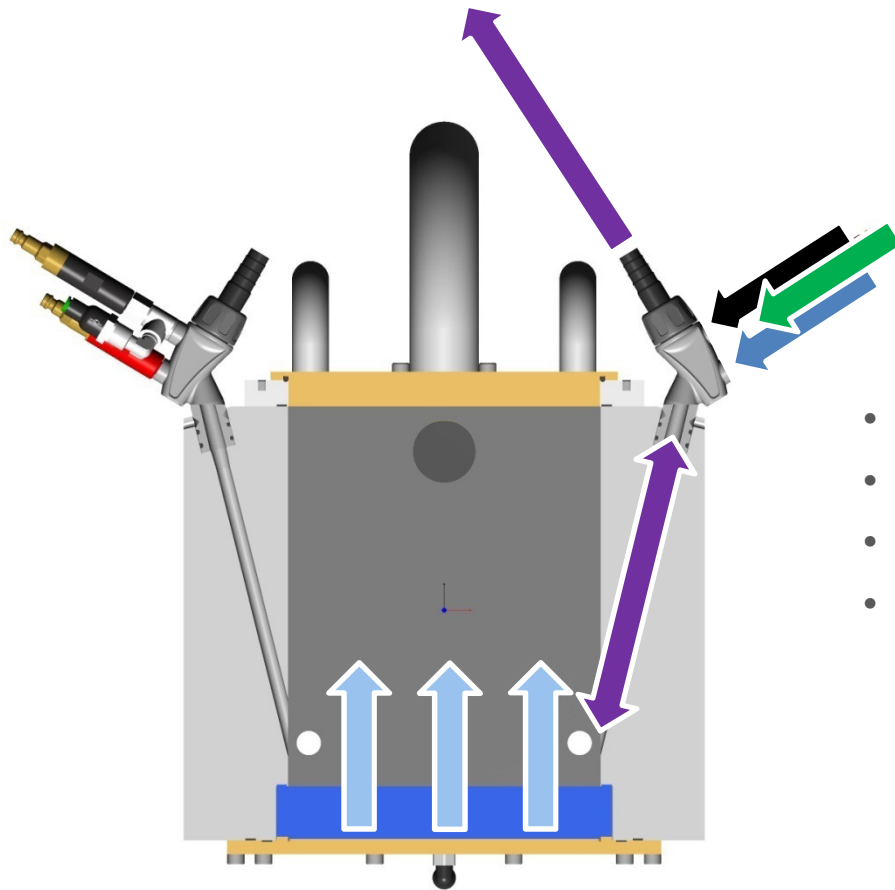
5 kg Powder – Hopper / max. 24 Guns

6 kg Powder – Hopper / max. 30 Guns

7 kg Powder – Hopper / max. 36 Guns



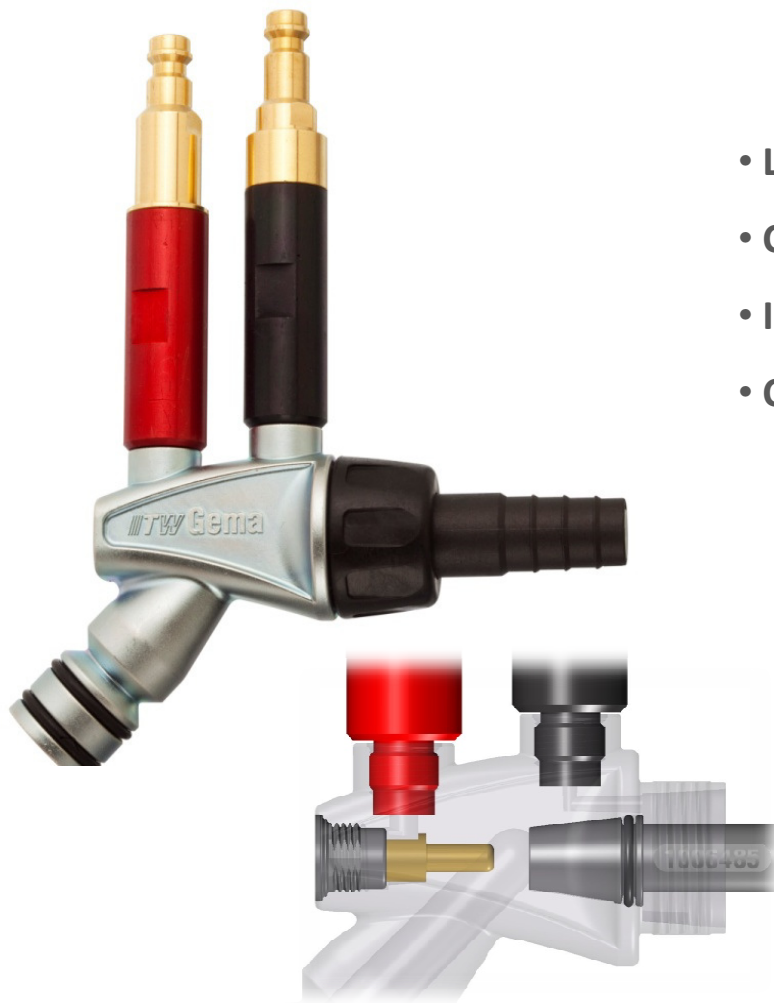
- Hopper Cleaning (patent pending)
- “Air-Stream” cleaning
- Integrated vacuum-cleaner



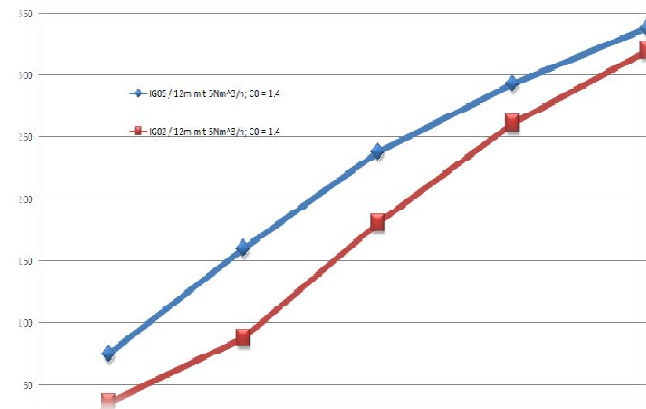
- Powder hopper cleaning
- Injector cleaning (Power Clean)
- Suction tube cleaning
- Fluid plate cleaning

OptiFlow IG06

Consistent powder flow!



- Linear powder output
- Conductive insert sleeves
- Integrated check valve
- Coded injector connections



Powder supply



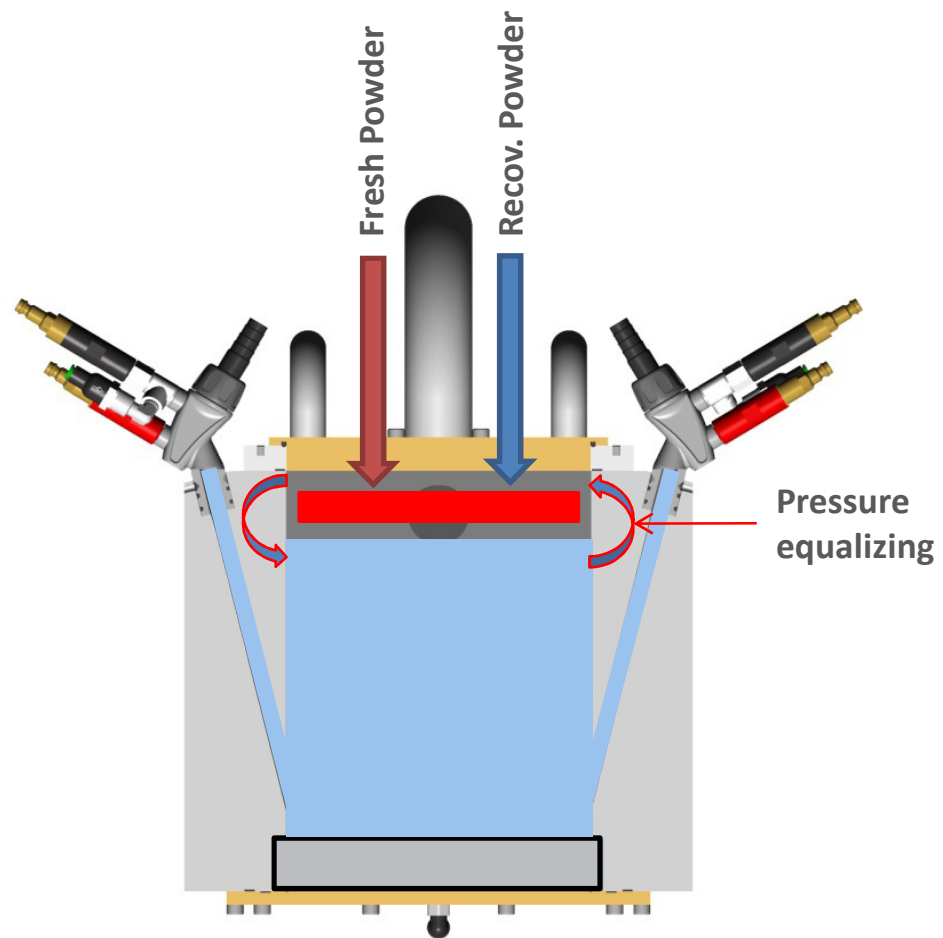
- **powder supply** directly from original powder bag
- **working** and **cleaning** position
- automatic **hopper emptying** into powder cone

Powder supply

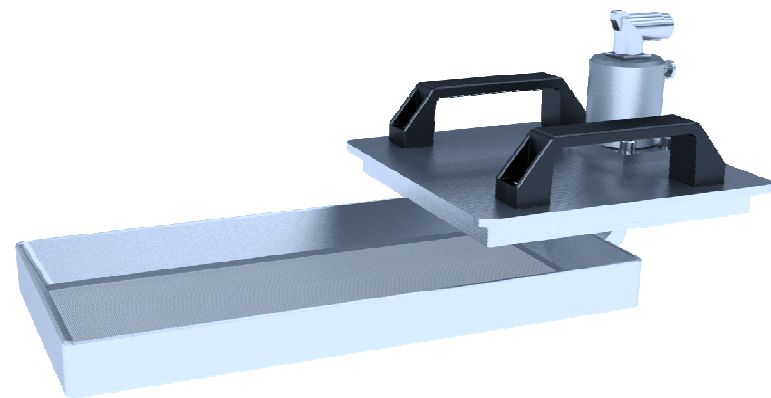


- **powder supply** directly from original **powder bag**
- **working** and **cleaning position**
- automatic **hopper emptying** into **powder cone**

OptiCenter Integrated ultrasonic sieve!

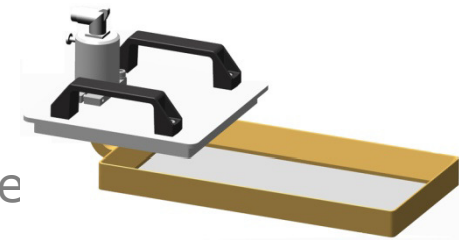


- Light and **easy handling**
- **Offline- cleaning**
- **Standard** mesh size **250 μm**



Product Information

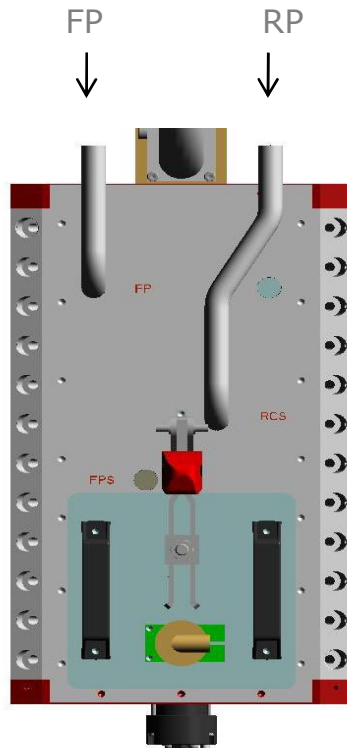
- Constant amount of powder leaving the gun and therefore homogeneous coating through ultrasound screening
- Perfect Powder Preparation
- No foreign particles in the Opti Speeder
- Low, constant temperature without local hot zone



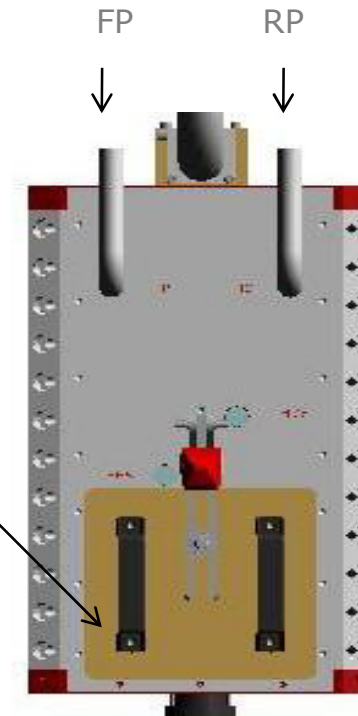
Sieving	300 μm (4.5 kg)	250 μm (3.5 kg)	200 μm (1.5 kg)	140 μm (1.0 kg)
Fresh powder	36 guns	30 guns	12 guns	6 guns
Recovery powder	36 guns	30 guns	12 guns	6 guns
Fresh & recovery powder	18 guns	15 guns	6 guns	3 guns

Product Information

Only Recycling Powder is passing the sieve



No Sieve in use

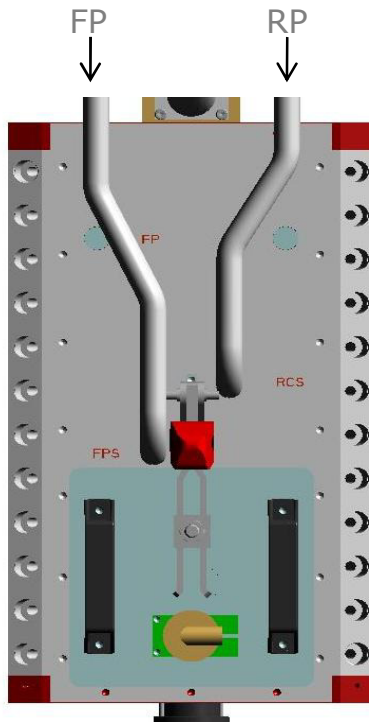


Standard cover

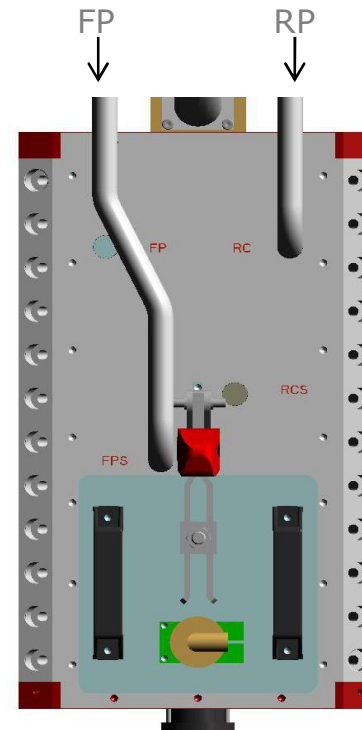
Product Information

- Recycling powder and Fresh powder can be connected in various ways. Basically, there are four different variants.

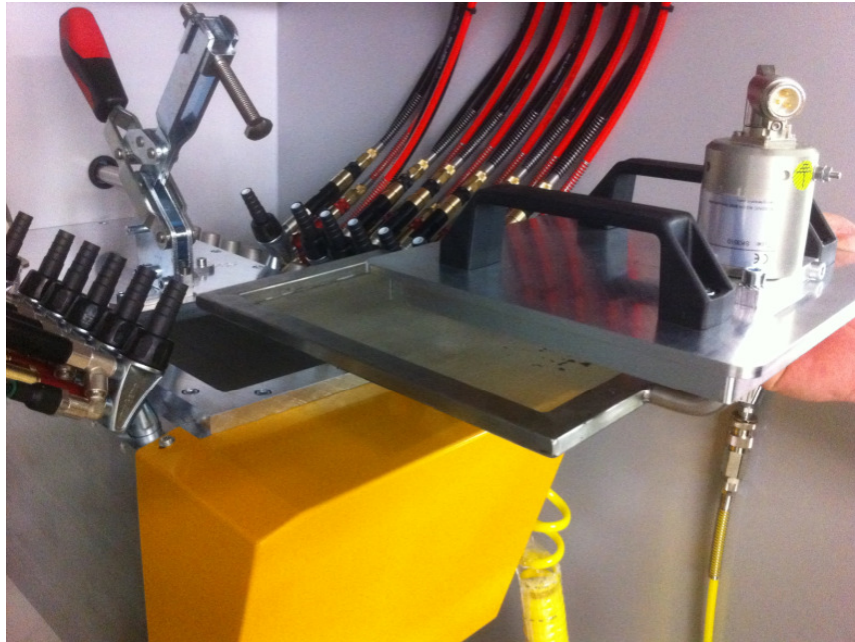
Fresh Powder and Recycling Powder are passing the sieve



Only Fresh Powder is passing the sieve



OptiCenter Integrated ultrasonic sieve!



VIDEO

Ultrasonic in action!

Universal plant installation



OptiCenter



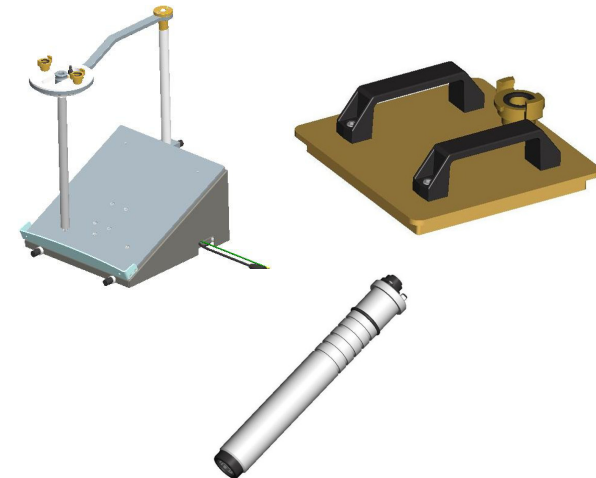
VIDEO

OptiCenter in action!

New Features



NEW!



Cyclone

Product Information

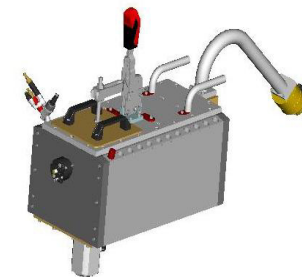
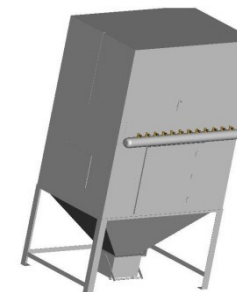
- For the optional conveying of recycling powder with the PP06 pump to two different receptions.



Reversible switch

Direct to the After Filter

Direct to OPTICENTER





Product Information

- Fluidised Powderhopper for 60/100 liter
- With Airmover connection
- Perfect powder preparation, good mixing
- For Metallic Powders
- If more than 24 guns are used
- Perfect Powder Transport
- New with Level Probe



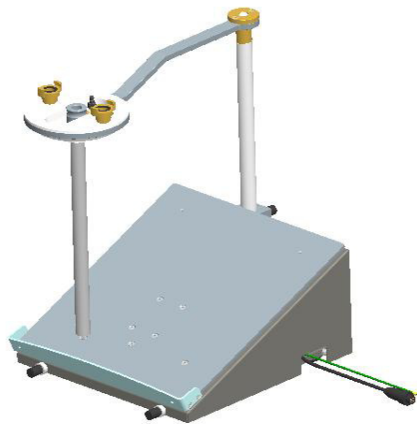
OptiCenter

Vibrationtable

Instead of the powder cone, it is possible to install the vibration table in the Opticenter

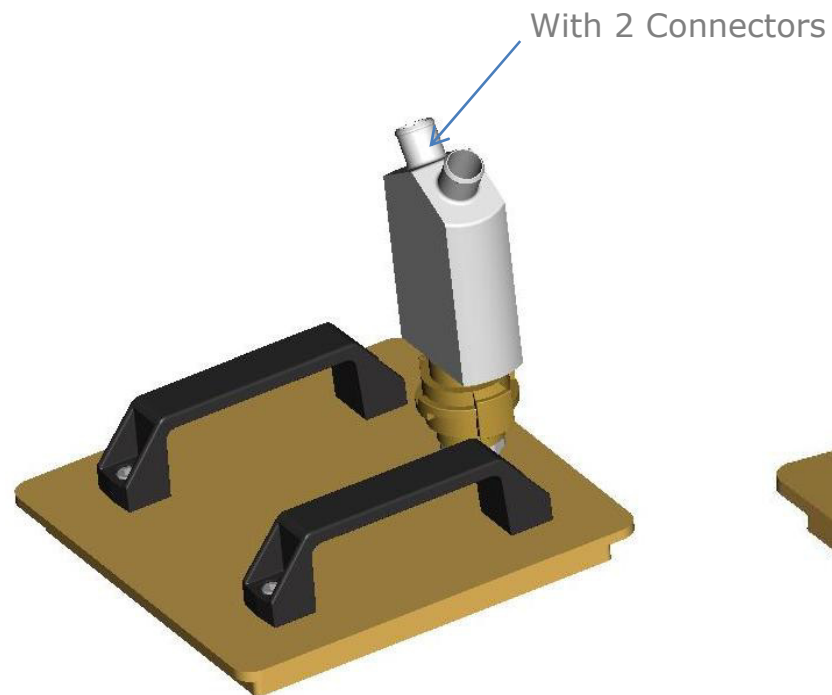
To ensure a good powder conveying to the OptiSpeeder, the number of guns is limited to 16 guns.

The power connector for the vibrator and the ground are the same on both devices.

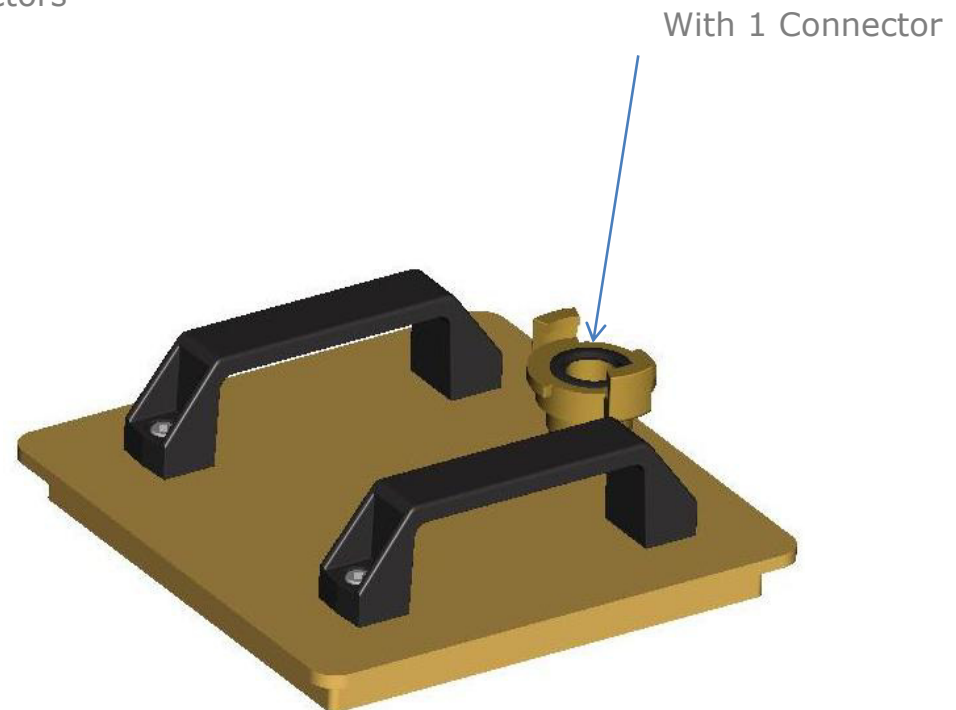


(03.2013)





Drawing Nr.1008622



Drawing Nr.1008421

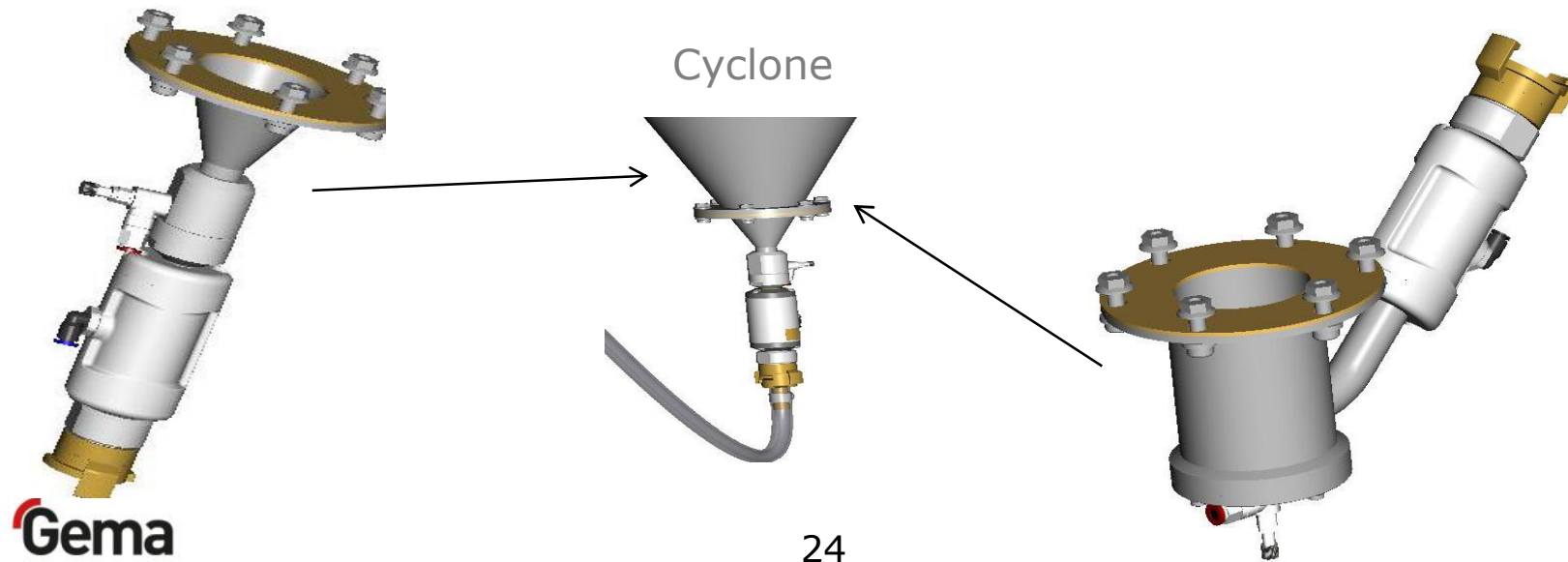
Product Information

Conveying connection

- New Installations supplied with Pinch Valve
- Shutting off the false air to the cyclone
- Can be used until 24 Guns

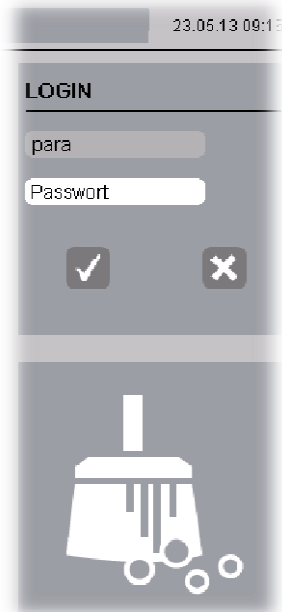
Fluidised Hopper

- New with Pinch Valve
- Shutting off the false air
- From 24 Guns
- Perfect Powder Transport



OptiCenter

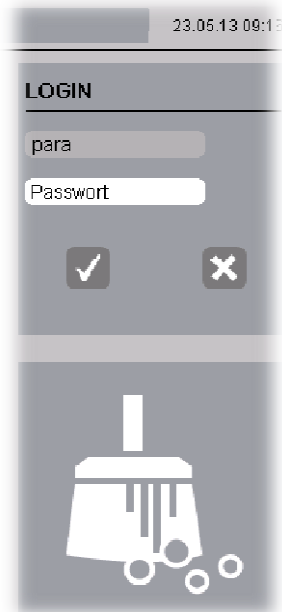
Parameters



01	Powderhopper empty	30 [s]
02	Powderhopper clean quality	30 [s]
03	Powderhose clean cycle	2
04	Powderhose clean per injectorblock	20 [s]
05	Recovery hose clean	180 [s]
06	Freshpowder demand delay	15 [s]
07	Supervision freshpowder demand int.	0.5 [min]
08	Supervision levelsensor by freshpowder demand	5.0 [min]
09	Time wastepowder in Mode spray (Recycle)	0.1 [s]
10	WRS-Kit	0
20	Option Freshpowdersystem	0
30	Option Trevisan / SAT	0
40	Option mode spray manu	0
 Number of Injector 1 - 36		
× ↑ ↓ ↗ ↘		

OptiCenter

Parameters



40	Option mode spray manu	0
50	US-Sieve	1
51	US-Mesh: 140 um	1
52	US-Mesh: 200 um	0
53	US-Mesh: 250 um	0
54	US-Mesh: 300 um	0

1

On

Off

Number of Injector 1 - 36

X

↑

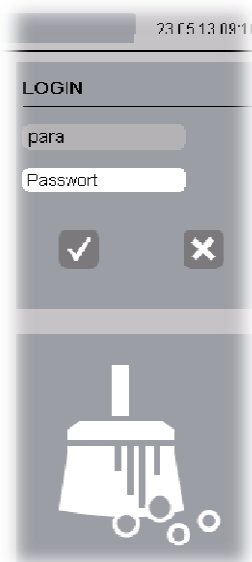
↓

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OptiCenter

Parameter description



No.	Parameters	Description	Range	Default value
01	Empty powder hopper	Time – how long it takes to empty the powder container Pinch valve below OptiSpeeder open	15 – 90 s	30 sec
02	Powder hopper clean quality	Cleaning the powder container in the quality cleaning mode	10 – 120 s	30 sec
03	Powder hose clean loops	Number of loops	2 – 5 loops	2
04	Powder hose cleaning per injector block	Cleaning time	5 – 40 s	20s
05	Recovery hose cleaning	Cleaning time	60 – 300 s	180s
06	Fresh powder request delay	Level sensor low = Recovery pump starts to pump. After the adjusted time, the fresh powder pump starts to pump until level in the Optispeeder is reached again.	0 – 180 s	15s
07	Monitoring the fresh powder request	If the level is not reached after the adjusted time, alarm "No fresh powder" will be displayed	0.3 -5.0 min	0.5 min
08	Monitoring the level sensor during fresh powder request	If the level is not reached after the adjusted time, The Fresh powder pumping is stopped, to avoid overfilling of the OptiSpeeder EG. Indicating level sensor sensitivity problem	3.0 -10.0	5.0 min

OptiCenter

Parameter description

No.	Parameters	Description	Range	Default value
09	Time: Waste powder in Spray Mode (Recovery)	After the adjusted time, the valves switch from waste to recovery powder after a color change in spray mode Conditions: - WRS kit existing - Parameter 10 = 1	0.1 – 600 s	0.1 s
10	WRS kit	Activates the solenoid valves for the automatic switching from waste to recovered powder after the color change	0 / 1	0



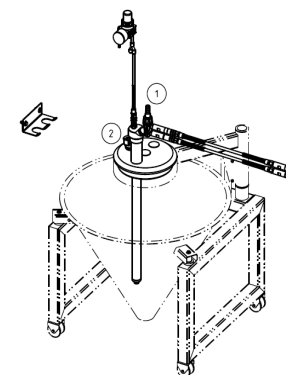
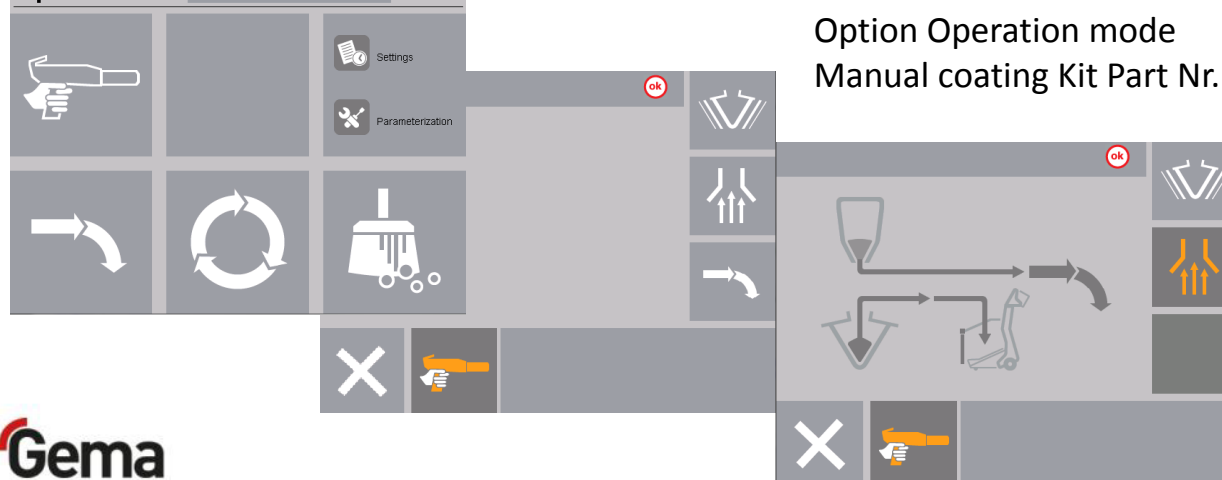
WRS Kit Part Nr. 1008861

OptiCenter

Parameter description

No.	Parameters	Description	Range	Default value
20	Option Fresh powder system	Activates an external Fresh powder system Controlled by external Level probe in rectangular PH hopper	0 / 1	0
21	Supervision fresh powder demand FPS	When Parameter 20 = 1 This parameter is active Supervision of the fresh powder demand	0.3 -5.0 min	0.5min
30	Option "Trevisan / SAT"	Active for: OptiCenters in Vertical lines with closed cyclones.	0 / 1	0
40	Option Operating mode "Manual coating"	When Activated - Additional button manual gun appears - Used with the manual gun Injektor kit installed on the Fresh powder cone For small powder quantities without Optispeeder and recovery	0 / 1	0

OptiCenter 24.05.13 10:54

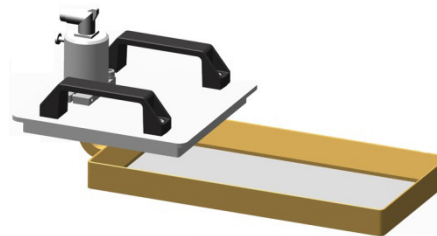


Gema

OptiCenter

Parameter description

No.	Parameters	Description	Range	Default value
50	US sieve	Ultrasonic sieve device existing	0 / 1	0
51	US sieve: 140 µm	Activate the correct sieve size(s) Intensity of the sieving depends on the mesh size . Wrong selection of the sieve size leads to early wear of the Ultra sonic sieve .	0 / 1	0
52	US sieve: 200 µm		0 / 1	0
53	US sieve: 250 µm		0 / 1	0
54	US sieve: 300 µm		0 / 1	0
55	US sieve: Sieving the fresh powder	If the fresh powder is also to be sieved this parameter must be = 1	0 / 1	0
60	OC03		0 / 1	0



Questions ?



 **Gema**

www.gemapowdercoating.com