

PPS 1000

The PPS 1000 is a closed, fully automated powder handling system. It enhances process efficiency and ease of operation. The Machine features interchangeable powder containers that connects to either a manual or semi-automatic depowdering station, as well as the printer. The PPS 1000 automatically dispenses new powder and mixes it with recycled powder, collected from the depowdering station, and then sieves it at a capacity of 120 kg/h. After sieving, the powder is homogenised and heated before the powder container is attached to the printer for the next print job.

BENEFITS

Health and safety:

- Replaces open powder handling operations

Industrialization:

- Enables higher degree of line automation
- Reduces risk of human errors
- Reduced floor space usage
- Enables parallelization of process tasks
- Prepared for enhanced digital production line integration – including RFID Powder Traceability.
- User friendly HMI operation to enable fast and safe operation



THE PPS 1000

Machine facts	
Processing speed	120 kg/h
Powder Dispensing	Automatic
Powder Sieving	Automatic
Powder Homogenization	Automatic
Powder Preheating	Automatic
No of Preheating racks	2 (expandable)
Est Time Saving	About 1 h / 40 kg lot
Replaces	Sieving station, Downdraft Table, Mixer, Powder Heating Cabinet
Weight	850 kg
Dimensions	2300 x 925 mm
Power Consumption	2 kW Average.
Compressed air flow	Less than 10 l/min

