

# 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 × 925 mm   |
| Power Consumption      | 2 kW Average.   |
| Compressed air flow    | Less than 10 l/min  |

