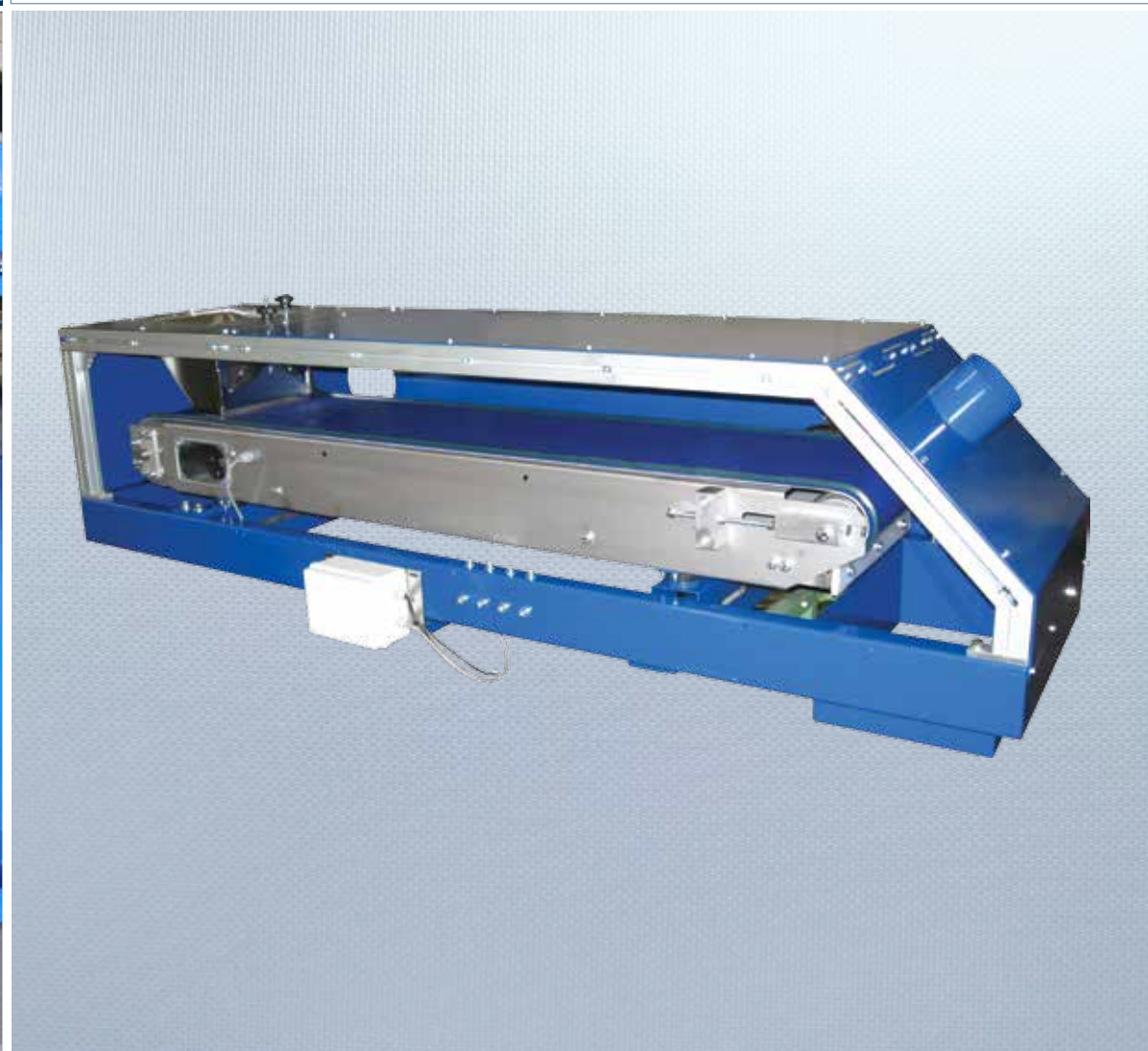


# Weigh-Belt Feeders

DCN



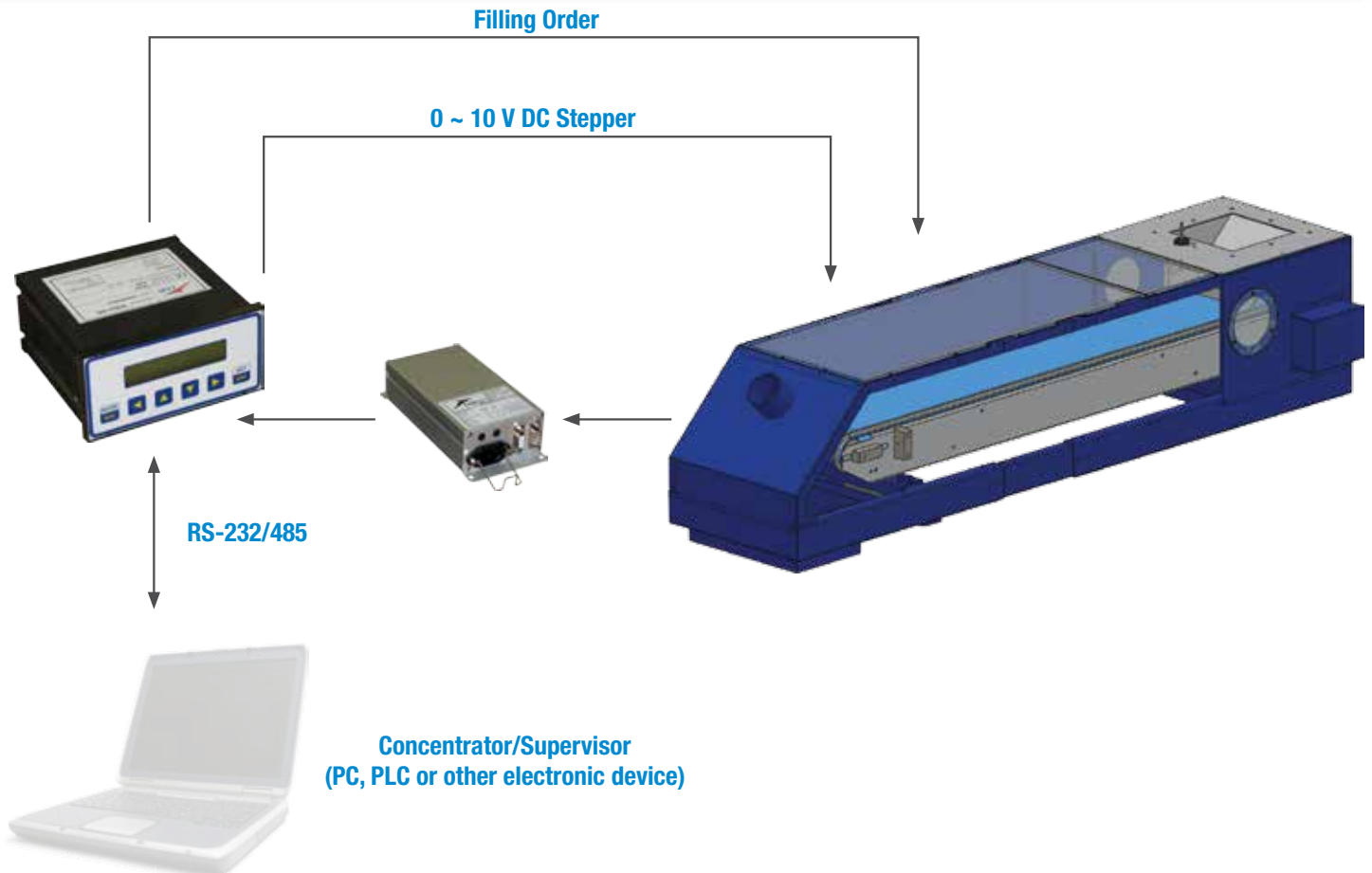
## IDEAL FOR LARGE VOLUMES FOR ACCURATE FEED RATE CONTROL IN WEIGHING SYSTEMS

Suitable for weigh-feeding of dry, free flowing powders and granular materials.

DCN series Weigh-Belt Feeders are equipped with a microprocessor which controls the belt speed depending on the signal read by a load cell.

### Features

- Belt widths: 350 mm, 500 mm, 800 mm
- Feed rates: DCN 350: from 0.5 m<sup>3</sup>/h up to 30 m<sup>3</sup>/h  
DCN 500: from 0.5 m<sup>3</sup>/h up to 82 m<sup>3</sup>/h  
DCN 800: from 0.5 m<sup>3</sup>/h up to 86 m<sup>3</sup>/h
- Working temperature: -10°C up to + 50°C
- Length: DCN350 – DCN500: 1,500 mm; 1,750 mm; 2,000 mm; 2,250 mm  
DCN800: 1,500 mm
- Continuous real-time controlling and adjustment of material flow
- Feeding accuracy between 1.5 and 2%
- Compact system with contact surfaces in stainless steel and non-stick material
- Batch-type or continuous operation
- Sturdy chassis manufactured from powder-coated carbon steel or stainless steel
- Load-bearing frame of conveyor belt and inlet spout in stainless steel (parts in contact with material)
- Possibility of choosing among belts manufactured from different materials: PVC (standard), food-grade or abrasion-resistant white



## Benefits

- ✓ Simplified automation of feeding process;
- ✓ Quick integration into new or existing production processes;
- ✓ Suitable for installation in battery configuration;
- ✓ Easy to use, clean and maintain;
- ✓ Minimum downtime during change of material;
- ✓ Reliable and durable;
- ✓ Functional testing in WAMGROUP®'s own test facility based on decades of experience in bulk solids feeding and metering;
- ✓ Attractive price.

1 Encoder



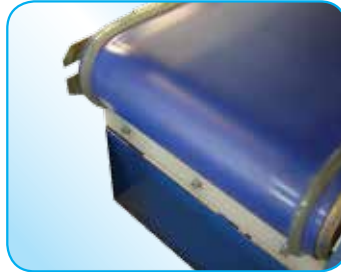
Measures belt speed

2 Adjustable cleaning scraper



Keeps belt clean

3 Belt with beaded edges

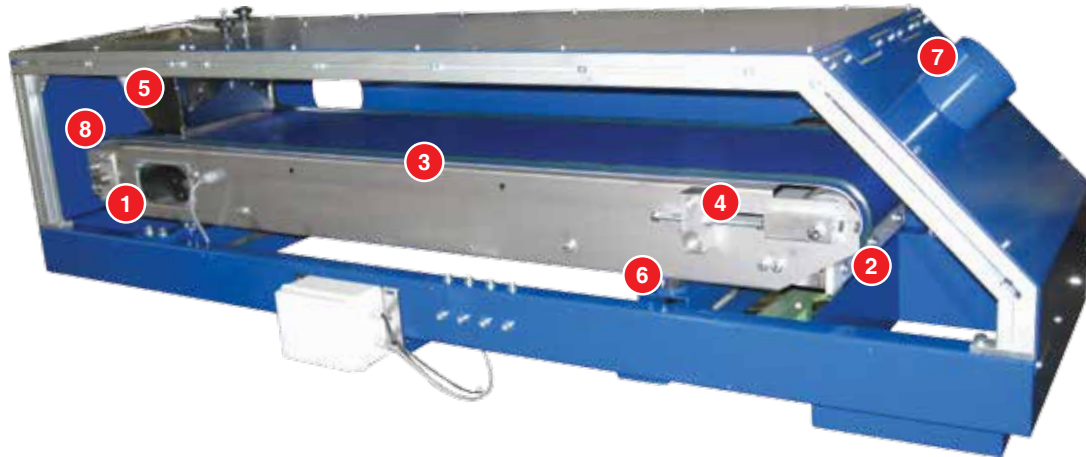


Prevents material from falling off the belt

4 Belt tension adjustment



Maintains correct tension of the belt



5 Inlet with material level adjustment



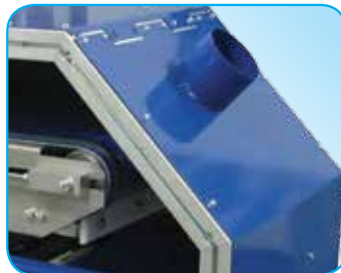
By adjusting the height of the slide gate it is possible to control the vertical height of the material on top of the belt

6 Load cell



Detects amount of material flown onto the belt, thus allowing precise and reliable measuring

7 Venting pipe



To be connected to existing dedusting system

8 Electric motor drum



DCN350: 0.37 kW  
DCN500: 0.37 kW  
DCN800: 0.24 kW

## Accessories

### Electronic Control Panel and Converter



Electronic control panel enables to quickly create reliable, functional, accurate and technically advanced metering for batch-type or continuous feeding systems.

### Power Supply



Electronic card with 220 V AC input voltage and 5 V DC output that powers the encoder and 24 V DC that powers the electronic control panel and converter.

# Application



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