



**Romaco Innojet
Granulation Line (IGL)
Production Scale Series**

The Romaco Innojet Granulation Line (IGL) integrates the Mixer Granulator (M) with the fluid bed system Ventilus® (V-LE) for a multipurpose solids processing plant with batch sizes from 40 to 1,000 litres.

Highlights:

- Multipurpose all in one: wet granulation drying and particle coating solution with Dr. hc. Herbert Hüttlin patented innovations
- **Closed, Clean, Fast** – dust free pneumatic product flow with integrated conical mills for converting powder to granulated product
- FDA SUPAC approved equipment for wet high-shear granulation and fluid bed granulator/dryer
- Complete ATEX safety Ex proof pressure shock resistance for organic formulations

Ergonomic:

- Easy access to equipment, minimizing number of inflatable seals, quick set up and turnover time
- Reliable closed wet transfer from high-shear to fluid bed

Economical:

- Shared spray system for granulation and particle coating
- Trouble free transfer, highest reliability

Shared Washing in Place system (WIP):

- Automatic cleaning of the strict hygienic design of the interior product-contacted parts
- Common GAMP control system for flawless handshake for improved product flow and convenient use of shared equipment
- Common production and cleaning recipe control with central batch data for export
- 21 CFR part 11 compliant with MES integration

Technical Data	50 kg	100 kg	200 kg	400 kg	500 kg
Fluid bed VENTILUS® Size	V 100	V 200	V 400	V 800	V 1000
Mixer Granulator M	M 100	M 200	M 400	M 800	M 1000
Volume Spectrum (ltr)	40 - 100	80 - 200	180 - 400	300 - 800	360 -1000
Installed Electrical Power (kW) 400 V / 50 Hz / 3 Ph	35	48	73	113	160
Steam Requirements (kg/hr @ 3 bar(g))	82	149	213	367	576
Compressed Air Drying (Nm ³ /h)	5	10	10	20	20
Compressed Air Coating (Nm ³ /h)	80	150	250	400	500

Note: Batch sizes depend on product properties; other sizes available.

