



**Herbold Meckesheim USA**  
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**Budget Quotation No. AG-KLM-10072024**  
**Dated: October 9, 2024**

**Application:** General size reduction of ridged plastics with rates up to 1,500 PPH through a 10-12mm screen.

**Pos. 1      1 HERBOLD Granulator, Type SML 45/100-S4-2**

Cutting chamber opening:	appr. 600 x 980 mm
Rotor diameter:	450 mm
Rotor length:	980 mm
Rotor knives:	4x2
Stator knives:	2x1
Drive:	55 kW

**Feed hopper**

In sturdy welded steel design Fitted with heavy duty solid plastic safety flaps and / or curtains to prevent material flyback.

**Housing design**

Centrally hinged two-piece welded steel design, upper and lower housing units meet at an inclined angle. Both bed knives are mounted to opposite sides of the dividing surface.  
Opening and closing of the housing by a hand winch.

**Rotor design**

Open 4 x 2 knives rotor: No threads tapped into the rotor, knives are fastened with hexagonal bolts and knife mounting plates.  
Optimal knife seat with back stops on each rotor cross member.  
The rotor knives have adjustment screws at the rear.

**Rotor bearing**

Self-aligning roller bearings in cast iron housings, completely outside and separated from the grinding chamber.



### **Cutting geometry**

Double cross cutting action, i.e. the rotor and bed knives are mounted at inclined angles opposed to each other thus forming a true scissor cut

### **Knife quality**

All knives are manufactured from high quality D2 chrome nickel tool steel.

### **Knife adjustment**

This is carried out outside of the granulator in a jig supplied with the machine.

### **Advantages:**

*It is not necessary to adjust the knives in the granulator.*

*Replacement knives can be adjusted using a set of sharpened knives while the granulator is in operation.*

*Down time is considerable reduced.*

*The cutting circle of the rotor knives (gap between rotor knives cutting edge and screen surface) stays always the same.*

### **Screen mounts**

Easy screen change above the rotor.

### **Advantages:**

*Quick screen replacement.*

### **Base frame**

Flat welded steel design to take the granulator with the drive motor (on tension rails). The frame is supplied with anti-vibration pads.

### **Pulleys**

The granulator pulley is designed as a flywheel with SPC profiles.

### **Drive motor**

55 kW three-phase motor, type B3 protection IP 44, 460 V, 60 Hz, appr.1500 rpm, heavy duty bearings, TEFC.

### **Safety devices**

Integrated run-down safety devices prevent access to the unit until the rotor has reached a standstill. Seals according to CE standards.

**Price**

**\$53,000.00**



**Pos. 2 1 Pneumatic Discharge and Transport System**

Type MFT 55/500,  
a material blower with 11 kW drive motor,  
connecting pipework,  
a cyclone separator with mounting frame, mechanical diverter  
valve, complete with twin big bag filling nozzles and  
an extract air hood with hanging filter bags.

**Pos. 3 1 Electrical Control Unit**

consisting of a suitably dimensioned control cabinet with all  
necessary protection devices, relays and fuses. Press button on/off  
switches with indicator lights. The control box is completely wired  
internally and fixed to a clearly marked terminal strip. The control  
cabinet meets the German VDE standards. (Wiring to the users not  
included) CSA listed components.

**Pos. 1,2 and 3 (Granulator, Blower System & Controls)**

**Price** **\$87,000.00**

**General Information**

**Electrical power**

Installed power  
approx. 66 kW

Voltage, control voltage  
460 V, 3 phase

Control voltage: 24V

Power consumption: approx. 60-70% during regular operation.

**Equipment colour**

RAL 5014 pigeon blue, RAL 7032 pebble grey or as agreed.

**Terms, Conditions, Exclusions**

Herbold reserves the right to offer design improvements during the  
manufacturing process.



**Exclusions:**

If the following items have not been quoted, they are excluded:

- Installation,
- foundation and modification works and engineering to the building,
- sound insulation,
- cables to the control unit and cables from the control units to the motors,
- control units,
- automatic air filtering systems,
- precautions against explosion risks and fire ( ATEX measurements according to EU policy 94/9/EG )
- precautions against odour caused by contamination,
- sufficient ventilation in the room where the machine will be placed,
- anti-wear protection against abrasive feed material,
- maintenance platforms,
- lifting tools
- any tools and devices and means for the installation and maintenance of the unit
- chimney for exhaust air (in case a gas heater is used)
- All utilities supplies such as air, water, gas, etc. to each machine to be provided by customer.
- All other deliveries and services not explicitly mentioned in the quotation as part of our delivery scope.

**Prices**

FOB North Smithfield, RI

Seller and Buyer agree that, should Buyer be subject to any sales or use tax on the purchased goods under applicable state laws, and such tax was not included on the invoice from Seller, Buyer will be responsible for paying the appropriate sales and/or use tax, and filing the appropriate forms with the state on a timely basis. Buyer will indemnify Seller against any sales and/or use tax amounts due, or any amounts related to sales and/or use tax amounts due, under this contract.

**Payment Terms (Granulator Only)**

90% down  
10% Net 30 days

**Payment Terms System**

30% down payment with order  
60% prior to shipping,  
10% net 30

**Warranty**

6 months warranty according to the enclosed warranty conditions. Parts subject to normal wear and tear such as v-belt, bearings. Knives etc. are excluded.

**Delivery** 10-12 weeks after receipt of payment