

# Desislava 20 Granulators Company

Bulgarian Chamber of Commerce and Industry

Registration Number: 1017244600 / 24.02.1992

[www.desislava20granulators.com](http://www.desislava20granulators.com)

VAT No.: BG040002183

03-October-2007

## **RECYCLING** LINE FOR PROCESSING OF 1000 kg/h AT THE INLET INITIAL MATERIAL: PP BAGS

- 1) Feeding Belt CS
- 2) Granulator CS
- 3) Discharge auger (friction washer) SS
- 4) Bath SS
- 5) Friction Washing machine 37 kW SS
- 6) Discharge auger (friction washer) SS
- 7) Bath SS
- 8) Press out unit - 2 pcs. SS
- 9) Centrifuge - 2 pcs. SS
- 10) Mixing-silo 12 m<sup>3</sup> SS

CS - Carbon Steel  
SS - Stainless Steel



**Feeding Belt Conveyor 1000 x 7000**

a) Sizes:

- effective width – 1'000 mm
- Height of the axis of the charge shaft – 1'000 mm
- Height of the axis of the discharge shaft– 3'100 mm
- distance between the shafts – 7'000 mm

b) Leading:

- side of assembly – left in the direction of the belt motion
- Ø pushing drum – 320 mm
- Ø pulling drum – 320 mm
- el. motor – 2,2 kW/400 V/50 Hz/1'500 rpm /4 pol.

c) Rubber belt:

- with increased performance for hardness of cutting and strokes
- thickness – 8 mm
- vulcanizing way of connection
- cleats – height 20 mm, width 2 x 350 mm, distance 500 mm

d) Legs:

- regulation +/- 150 mm
- 4 pieces. / 2 pieces with interlock/, Ø wheels 150 mm
- paint:  
body blue - Blu Ral 5002  
guard - yellow Ral 1003

Possibility for assembly of metal detector  
Possibility for assembly of metal separator for Fe.



### Granulator Kompass 800/1200 (CS)

Full protection at operation - Total stop before various accesses to the machine - Full automated control - Very strong frame - Strengthened design of the rotor and the cutting chamber - Easy change of the screen - Hydraulic unit suitable for the opening of the screen cradle: By this way the screen plate will be changed without the necessity to be move the Discharge system - Hydraulic unit for removing of the hopper - Preventive Clutch between the shaft and the pulley for the rubber belts from the motor drive - Coated with Zinc before the painting - Very low rate of the dust - Prolong term for a life of the knives before the changing for sharpening - Adjustable knives - A jig where the rotor knives can be pre-set outside of the machine so that you can change them quickly without adjusting them in the machine.

Purpose	<b>WET GRINDING OF PP BAGS UP TO 1.2 METRIC TON PER HOUR AT SCREEN WITH DIAMETER OF THE HOLES 50 MM.</b>
Weight	<b>12'500.00 kg</b>
Motors	<b>132 kW / 1'500 rpm / 50 Hz / 400 V – Made in Germany 1.5 kW for the hydraulic unit for the opening of the machine 1.5 kW for the hydraulic unit of the screen cradle</b>
Rotor	<b>Straight: 5 ROWS X 2 knives on each row Cutting Cylinder of the Rotor 800 mm X 1200 mm</b>
Knives	<b>10 pcs. Fly knives X 600 mm 4 pcs. Bed knives X 600 mm (slant)</b>
Steel	<b>X153CrMoV12 = D2 = 1.2379</b>
Screen holes	<b>50 mm</b>
Bearings	<b>SKF</b>
Motor control	<b>Will be manufactured with units from Telemecanique or Square - D</b>
Way of Payment	<b>By Free Bank Remittance</b>
Notes	<b>§ The wet grinding requires, the machine to be working about 23-24 hours per day. If the working hours are 16 or less, the machine should be dried by hot air after the end of each working day.</b>



**Discharging auger (friction washer) 400/6000 - 4 kW**

- Water pump: 1,1 kW – up to 80 L/min.
- Water Spray unit
- Diameter of the auger 400 mm
- Working length - 6'000 mm
- Drive P=4 kW n=1'500 rpm

- Paint:
- Body: Blu Ral 5002
  - Guard: yellow Ral 1007



**Washing Bath WB/6000 & Friction Washing machine SS-37 kW**

- a) size:
- length - 6'750 mm
  - width - 4'000 mm
  - height - 2'200 mm
- b) transport screw:
- effective length – 6'000 mm
  - screw diameter - Ø 200 mm
  - rotations of the screw - 23 rpm
  - el. motor 1,5 kW / 1'500 rpm
- c) transport screw:
- effective length – 6'000 mm
  - screw diameter - Ø 200 mm
  - rotations of the screw - 23 rpm
  - el. motor 1,5 kW / 1'500 rpm
- d) lead screw
- effective length – 3'300 mm
  - screw diameter - Ø 250 mm
  - rotations of the screw - 47 rpm
  - el. motor 1,5 kW / 1'500 rpm
- e) screw for the waste
- effective length – 2'000 mm
  - screw diameter - Ø 150 mm
  - rotations of the screw - 47 rpm
  - el. motor 1,1 kW / 1'500 rpm
- f) drum
- effective length – 800 mm
  - screw diameter - Ø 500 mm
  - rotations of the screw - 14 rpm
- e) water pump 1,1 kW - up to 40 L/minute



**Press out Unit - 55 kW**

- length: 2'800 mm
- width: 2'000 mm
- height: 1'500 mm

**Drive**

- Motor – P=55 kW, n=1'440 rpm
- Diameter of the rotor – 400 mm
- Power P=3 kW, n=1'500 rpm
- Transport fan 7,5 kW
- hydraulic unit



**Centrifuge 800/2000**

- 45 kW + 2.2 kW (power) + 1.5 kW (auger for the waste)

- length: 4'000 mm
- width: 2'100 mm
- height: 1'580 mm

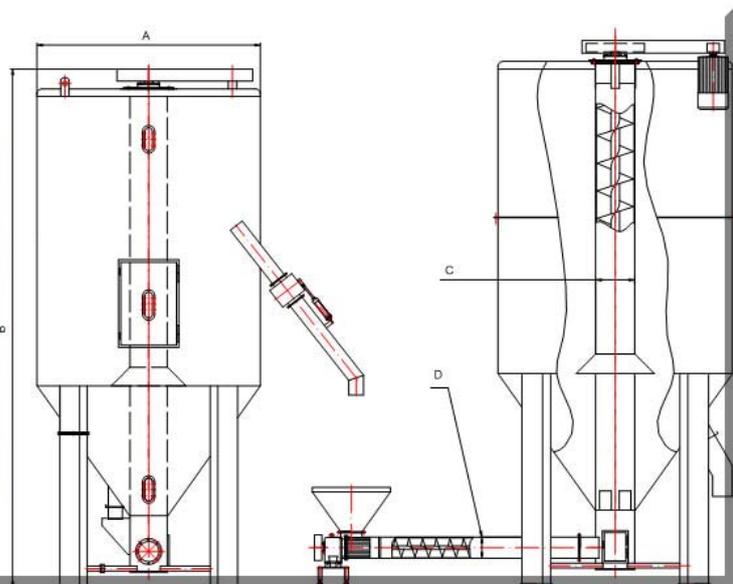


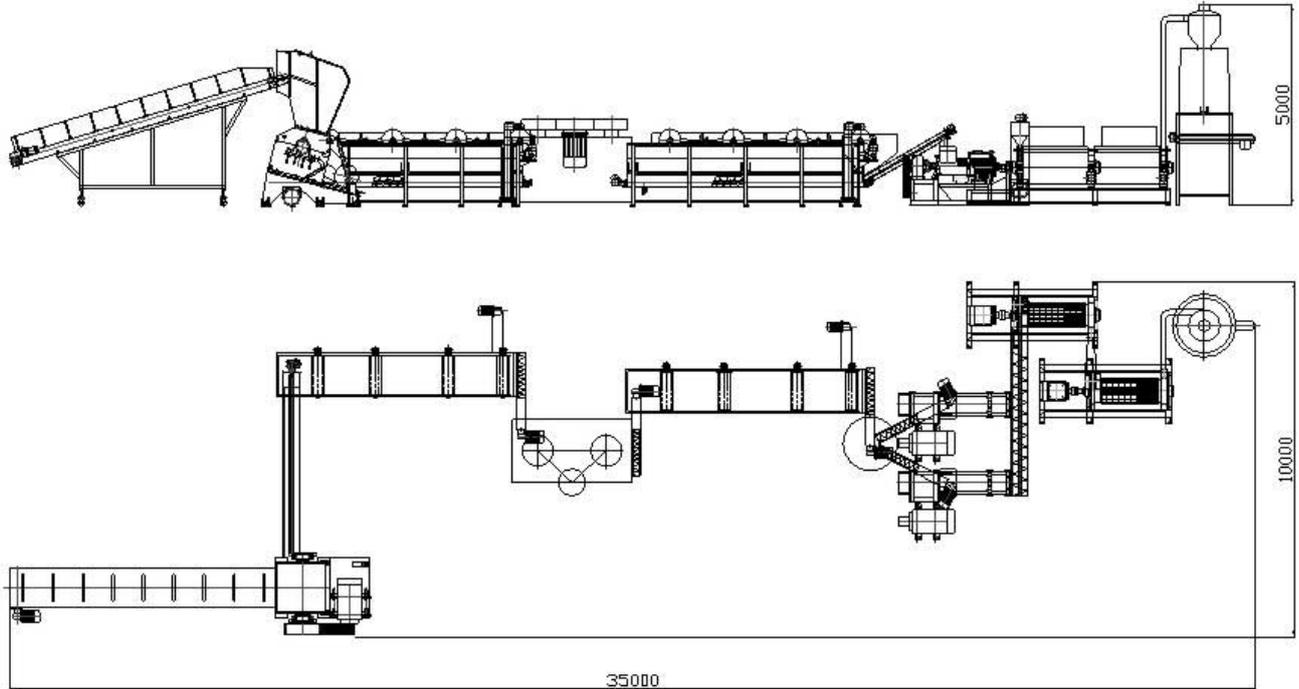
**Mixing-silo**



**Silo - Mixing**

A	B	C	D	Volume Liters	Motor kW
1000	2870	200	200	1000	3
2000	3840	400	-	7000	11
2200	3950	400	-	11000	11
2400	5000	400	200	17000	17
2500	5800	400	200	18000	17
2800	5800	400	200	24000	22





Terms of Payment	- 40 % from the cost of all units (the start of the deal) Deposit. - 60 % from the cost of the equipment placed in each sent container (up to 10 days after the shipment)
Way of Payment	By Free Bank Remittance
Manufacturing time	About 150 days
Validity of the Offer	30 days

**WARRANTY:**

**Granulator**

12 months from the date of delivery (the warranty doesn't include the cutting instruments, screen and the servicing).  
If it is needed to be sent spare parts the warranty terms cover the cost of the spare parts only Ex Works.  
The cost of the transport of the spare parts is not included in the warranty terms.

**Transport, washing, drying and storage equipment**

12 months from the date of delivery (the warranty doesn't include the servicing).  
If it is needed to be sent spare parts the warranty terms cover the cost of the spare parts only Ex Works.  
The cost of the transport of the spare parts is not included in the warranty terms.

Together with the equipment we will send you detailed instructions: text info, photos, movie and all needed drawings (dwg).



With Regards,

Konstantin Tomov,  
President of Desislava 20 Granulators Company

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*Desislava 20 Granulators Company wishes you successful business!*