

## GCD SERIES DRY CUT STRAND PELLETIZER

### high productivity

High productivity as compared to other pelletizers in this price bracket.

### low power consumption

High torque geared motors are used so that efficient cutting may be done with a lower rating motor which reduces power consumption considerably. Also due to direct drive on rotary cutter there is no wastage of power due to slippage.

### rigid design

The cutter is both side supported with heavy duty bearings so that there are no vibrations in the assembly resulting in better gap setting which in turn leads to better chip cutting and increased cutter life.

### pneumatic pressing

The top roll is pneumatically pressed onto the strands so that an even pressure is maintained throughout the strand sheet. The pressure is adjustable through a regulator depending upon polymer being processed.

### top roller cooling

The top elastomer roll is pneumatically cooled to improve upon its life. The amount of cooling may be controlled by a regulator provided for this purpose.

### safety interlocks

Safety interlocks have been provided to ensure proper safety of workers. Cutting chamber can only be opened by switch on operator panel which electronically operates a pneumatic cylinder to release the latch. The cutter automatically comes to a halt if there is an air pressure failure or chamber is forcefully opened.

### operator control panel

Operator control panel is designed to provide maximum information to the operator. All variables like actual cutter speed, top roller pressure, top roller cooling are displayed. Indicator lights have been provided to display "No-Air" and "Fault" conditions. There is also a display on inverter for tripping and other power related diagnostics.

### cutter material options

Various cutter, bedknife and feed roller materials are possible to suit the polymer material being cut.

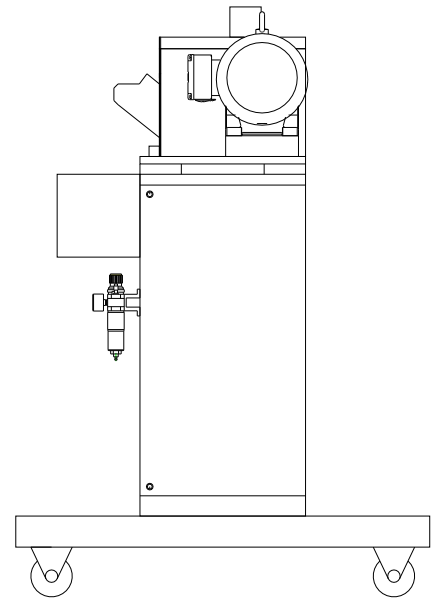
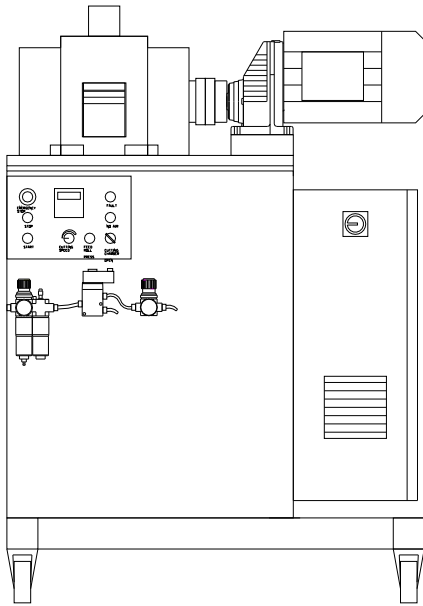


GCD100 PELLETIZER



# GLAVES

## schematic views



## technical data

Model	GCD 70	GCD 100	GCD 200	GCD 300
Operating Width(mm)	70	100	200	300
Drive System	AC - Geared Motor with inverter control			
Motor Power (KW / HP)	1.5-5 / 2-7	2.2-7.5 / 3-10	3-11.5 / 4-15	3-15 / 4-20
Strand Speed (m/min) *	30-70			
Max No. of Strands *	16	25	50	60

## production \*

Polymer	Density (g/cc.)	GCD 70	GCD 100	GCD 200	GCD 300
PP, PE	0.91	350	545	1090	1635
GPPS, SAN	1.04	400	625	1250	1875
ABS, HIPS	1.04	400	825	1650	2475
PMMA	1.18	450	710	1420	2130
PET, PBT	1.31	500	785	1570	2355
PA6, PA66	1.14	440	685	1370	2055
PET, PBT, PA, PP, PC	1.00	385	600	1200	1800
+15-50% Glass Filled	1.55	600	930	1860	2790
Thermoplastic Elastomers	1.10	420	660	1320	1980
Masterbatch >40% Fillers	1.30	500	780	1560	2340

\* Data for orientation only. Actual values may differ as per polymer properties. Values for chip size 3mm dia. and 3mm length.

dry cut strand pelletizer

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