

Laboratory machines for the processing of polymers

# Strand Pelletizer Type CSG 171

*The ideal compact downstream unit for single and twin screw extruders*



**Type CSG 171/2**  
with double drive for a continuously variable adjustment of the cut length of the product



**Type CSG 171/1**  
with single drive for a fixed pellet length of 3 mm

## Application

As a downstream unit for single or twin screw extruders for pelletizing one or more strands from all thermoplastics and elastomers.

## Special features

- Wide range range of operating speed from 2 - 70 m/min
- Fast-acting mechanism for opening the feed rolls
- Optimum monitoring of the feed and cutting processes
- Extremely fine tolerance cutting rotor
- Fine adjustment of the cutting gap
- With type CSG 171/2 continuously variable cutting length adjustment for producing mini-pellets to large granules

*From the abstract polymer to the real properties*

**Operating principle**

The polymer strands extruded from the die are cooled in a water bath and then cut in the pelletizer.

**Pelletizer Type CSG 171/1:**

The pelletizer consists of the granulating unit mounted on a moveable frame.

The granulating unit features

- a pair of feed rolls comprising a grooved lower roll and a spring loaded, rubber-covered, upper roll

- a guide unit
- an adjustable counter cutter
- a rotating fly cutter.

The fixed cutter can be finally adjusted using set screws.

A frequency regulated three-phase motor is used for the drive. The cutting process can be monitored easily through a plexiglass front panel.

If opened while running, a safety switch switches off the pelletizer immediately, the motor braking system ensuring an immediate stop.

**Pelletizer Type CSG 171/2**

This model incorporates two independently controlled drives for continuously variable adjustment of the pellet length typically from 0.8 mm to 5 mm.



Single-screw extruder 25 mm with waterbath and pelletizer.

**Technical data**

	CSG 171/1	CSG 171/2
Speed (m/min)	5 - 70	5 - 70
Drive (kW)	1,5	1,5
Cutting width (mm)	16	16
Number of strands	1 - 3	1 - 3
Cutting length (mm)	3	0,8 - 5

Design modifications reserved.

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**Dr. Collin GmbH**  
 Sportparkstr. 2, D-85560 Ebersberg, Germany  
 Telefon ++49 8092 / 20 96-0, Telefax ++49 8092 / 2 08 62

www.drcollin.de, mail to: collin@drcollin.de

Represented by: