

# Basket Extruder

**Basket extruder** is the new **extruder** range that builds on the proven Umang technology and its benefits. Similar design of Pressing cams, blades and meshes ensures that process and validation wise there is no difference to the **extrusion process** from machine to machine. This unique design of the **basket extruder**, blades and meshes makes the not only a perfect **wet granulator** but also an ideal machine.

The outstanding feature of the **basket extruder /granulator** range is the integrated and CIP optimized design. Connections, cabling and supplies are completely integrated, covered and sealed so the outside of the machine is smooth and very easy to clean. The innovative discharge blade design and optimized seals inside the extrusion assembly allow for CIP. As a result of this the our **Basket extruder** is highly flexible, quick product changeover increases productivity and cost effectiveness.

The **Basket extruder** ranges from 25 to 1000 Kgs/ batch, the design operation with platform and dust-free discharging via a linked mill directly into an IBC. The **Basket extruder** can be stand-alone or linked to a **spheroinizer** or a **fluid bed dryer** and **continuous vibratory dryer** to form an integrated system.

The features of our **Basket extruder** are the following :

## Standard Features for Basket Extruder :

- Standard meshes from 500 - 1500 mcrons.
- Bottom driven Blades and cams rotating in counter directions : no seals in direct contact with the product
- Perfect cGMP-design: smooth covering, no external tubing and piping allowing easy cleaning
- External blade for pushing the material out to a spheroinizer or a fluid bed dryer bowl.
- Variable perforation meshes ideal for perfect discharge of difficult products
- User-friendly operator-machine interaction via graphical operator panel 12" Industrial PC software with PROCESS + range of software which helps interlinking all plant equipments to a single system.
- Flexibility (processes and products) for wet granulation.

## Optional Features for Basket Extruder :

- Explosion proof design



- Automatic cleaning (WIP/CIP) of entire system
- 21 CFR part 11 certified controls.
- ADVANCE PROCESS + for easy and automated plant control
- Jacketed / insulated bowl
- Total containment through up- and downstream split valves and flexible isolation systems.
- Integration with mill and/or fluid bed possible: perfect closed link for dust-free operation
- Video monitoring of the process
- Product feeding both by gravity or vacuum loading system directly from the containers
- Validation documentation and assistance based on GAMP

### Technical Specifications for Basket Extruder :

Model	Basket Extruder – 150	Basket Extruder – 300	Basket Extruder – 450	Basket Extruder – 600
Batch Cap./Kgs.	1-5	60-100	200-450	300-1200

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