

Screen Basket

Screen Basket extruder is the new extruder range that builds on the proven Umang technology and its benefits. Similar design of Pressing cams, blades and perforated screen ensures that process and validation wise there is no difference to the extrusion process from machine to machine. This unique design of the screen 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 screen Basket extruder is highly flexible, quick product changeover increases productivity and cost effectiveness.

The screen 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 or continuous vibratory dryer to form an integrated system.



Standard Features for Screen Basket :

- 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 Screen Basket :

- 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 Screen Basket :

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

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