

HORIZONTAL AXIS PEELER CENTRIFUGES Type EHL

Chemicals & Pharmaceuticals

Food industry



EHL 1663 DRG

KEY FEATURES OF EHL TYPE CENTRIFUGES



PERFORMANCE

- High centrifugal forces.
- Increased productivity.
- Optimized stability.
- Possibility of fully automated cycle.



ACCESSIBILITY

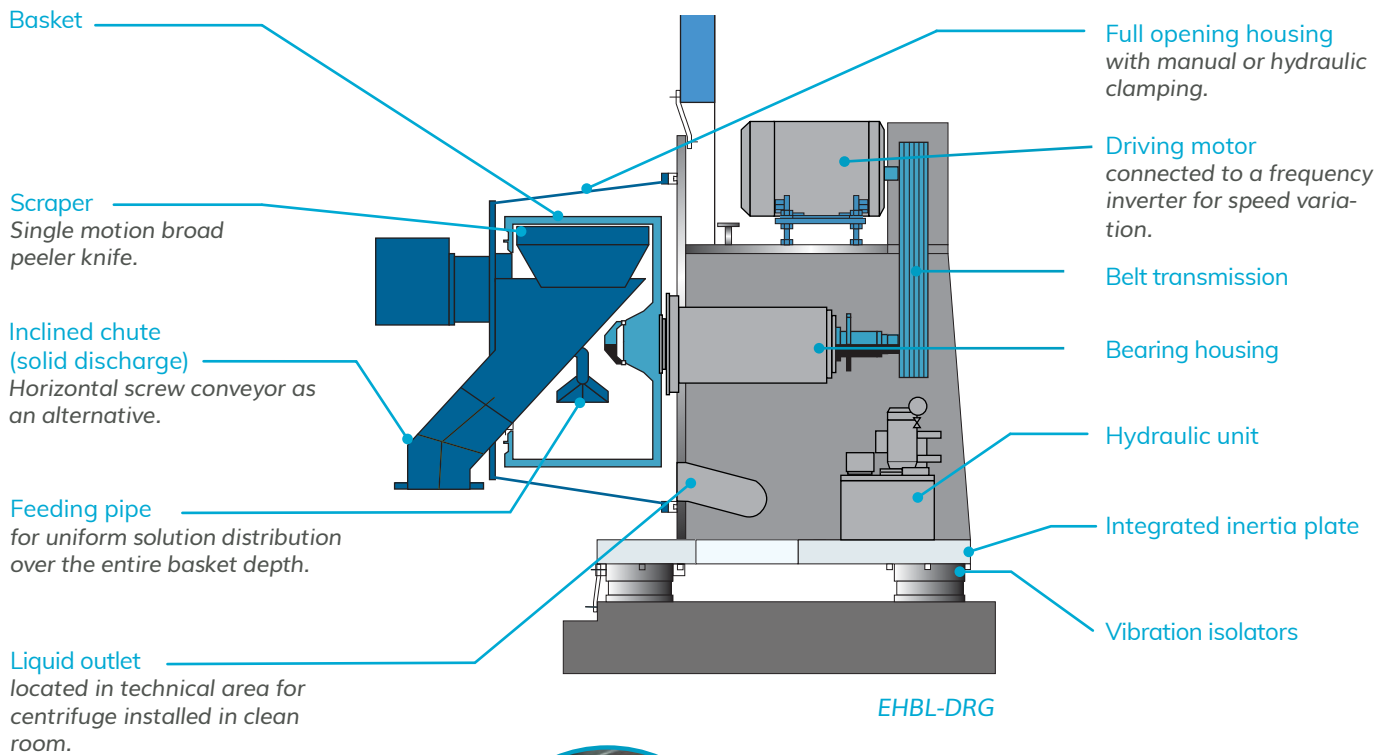
- Maximal compactness.
- Ground level or mezzanine level installation.
- Clean room installation possible : "through the wall" separation of processing and technical areas.
- Full opening housing.



CLEANABILITY

- Instantaneous and integral visual inspection, housing opened.
- Possibility to "flood wash" the basket.
- Ease of filtration cloth and backing mesh fixing and removing.

GENERAL DESIGN OF EHBL TYPE CENTRIFUGES



ADDITIONAL AND OPTIONAL EQUIPMENT

- **Cake washing pipe** (with spray nozzles)¹.
 - **Residual heel removal device**. (blow-back principle)².
- Various **filtering media fixing systems**³.
 - **CIP** (Cleaning In Place)⁴.
- **Cake detector** for basket filling optimization (with or without any contact)⁵.
- Various **materials of construction** (stainless steels, alloys,...), **coatings**, (HALAR, rubber, ...) and **gasket materials**.
 - 1 or 3 level **vibration sensor**.
- Tight or explosion-proof (**ATEX** in the EU) electrical equipment.
 - **Vapor tightness** for operation under inert gas blanketing.
 - **ATEX compliance** (for the EU), **cGMP** construction.
- **Inerting Control Systems** various principles: Pressure control, Oxygen content analysis, Neutral gas inlet flow control.
 - **Hydraulic siphon or liquid receiver** for liquid outlet tightness.
 - **Several possibilities for control systems:** from completely manual to fully automatic with local HMI and possibility of plant networking.



MAIN ADVANTAGES

Reduced required space for centrifuge location

due to its compactness and the possibility for ground level or mezzanine level installation.

Low remaining moistures

due to high centrifugal forces : Horizontal axis design allow increased rotation speeds, and so boosted «G» effects.

Full opening casing¹

(on single or double articulation hinge) giving complete access to the entire process area, which allows ease maintenance, inspection, cleaning and validation.

Discharging chute with pronounced slope and electro polishing to facilitate cake discharge, easily accessed for cleaning and validation³.



Clean room installation possible by "through the wall" separation of processing and technical areas².

Possibility to "flood wash" the basket by partial filling the housing with wash liquors and rotating the basket at low speed.

Feeding of the slurry across the entire length of the basket to ensure uniform cake thickness.

2. "Through the wall" installation



1. Full opening casing



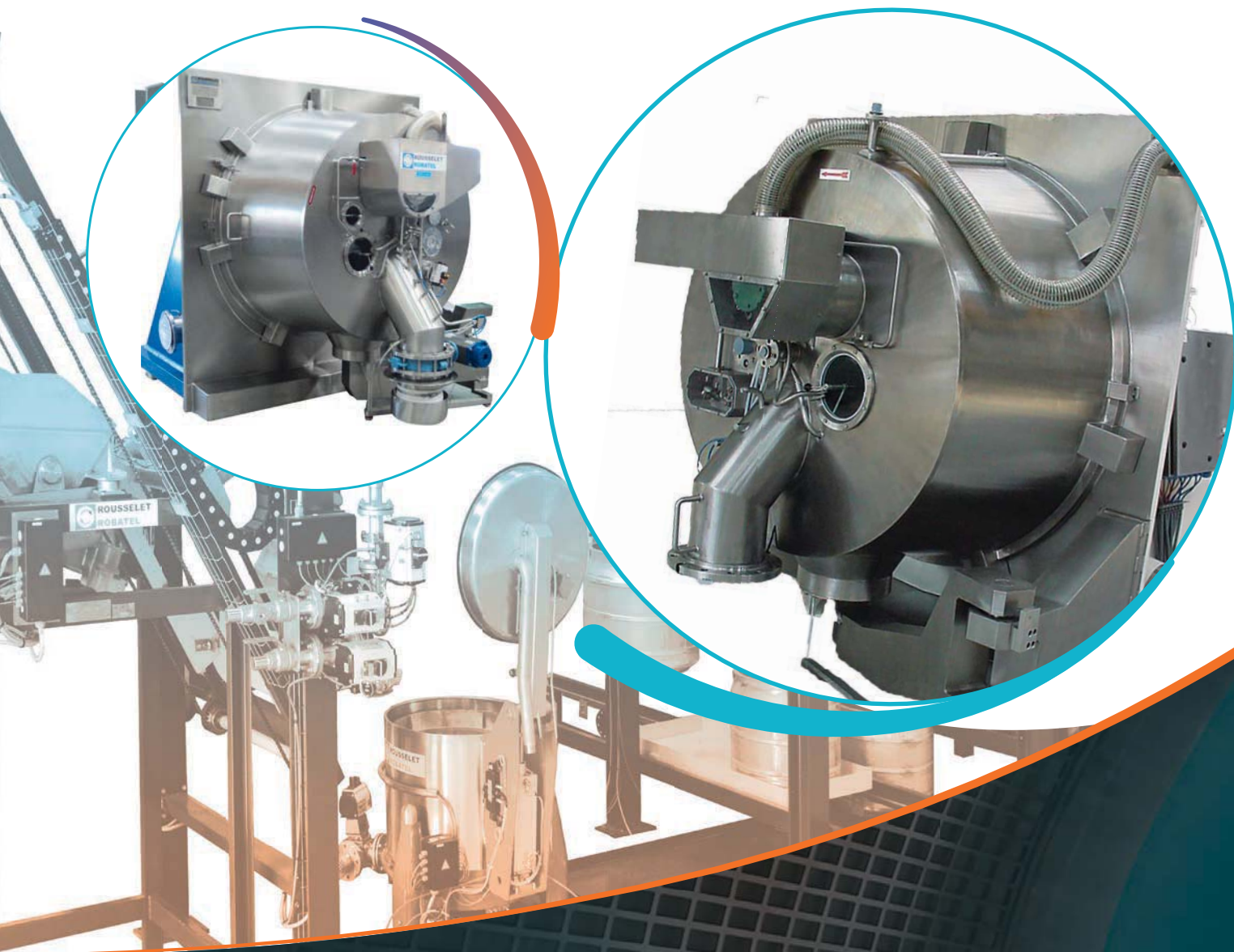
3. Inclined discharging chute



TECHNICAL CHARACTERISTICS OF EHBL CENTRIFUGES

| Type EHBL | Basket (standard data) | | | | | | |
|--------------|------------------------|-------------|--------------------|--------------------|-----------------------------------|----------------------|--------------------------|
| | ∅ mm | Depth mm | Useful volume l | Maximum load kg | Filtration area m ² | Maximum speed rpm | Centrifugal force «G» |
| EHBL 503 | 500 | 250 | 24 | 30 | 0,4 | 2600 | 1890 |
| EHBL 633 | 630 | 315 | 40 | 50 | 0,63 | 2300 | 1860 |
| EHBL 813 | 810 | 350 | 94 | 120 | 0,9 | 2000 | 1810 |
| EHBL 1053 | 1050 | 610 | 220 | 275 | 2 | 1550 | 1410 |
| EHBL 1153 | 1150 | 610 | 330 | 410 | 2,2 | 1400 | 1260 |
| EHBL 1323 | 1320 | 720 | 440 | 550 | 3 | 1235 | 1130 |
| EHBL 1663-S | 1660 | 760 | 710 | 890 | 4 | 1000 | 930 |

Smaller and larger capacity models : see our C8 and C5 leaflets.



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