

HORIZONTAL AXIS PEELER CENTRIFUGES TYPE EHL



EHL 1663

KEY FEATURES OF EHL TYPE CENTRIFUGES



PERFORMANCE

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



ACCESSIBILITY

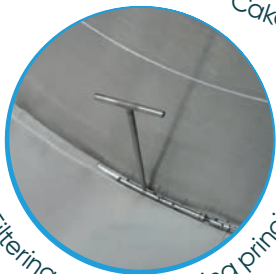
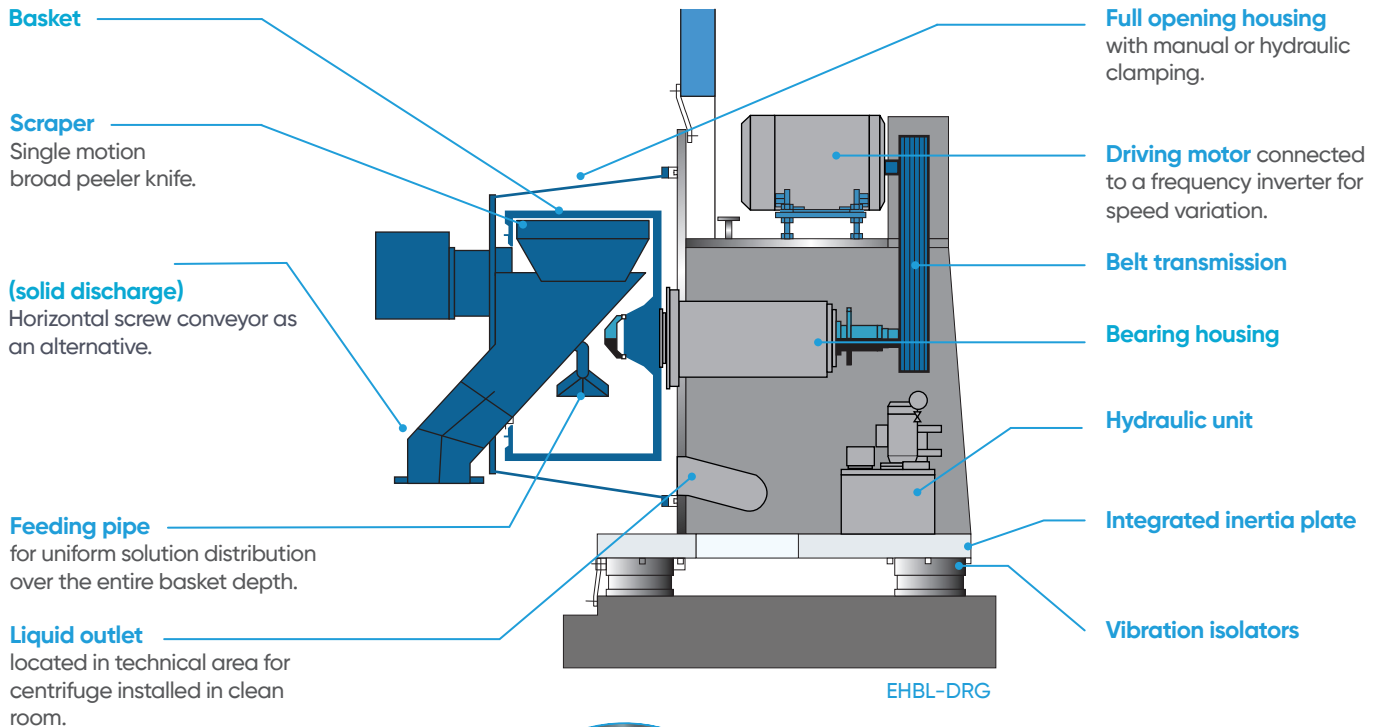
- Maximal compactness.
- Ground level or mezzanine level installation.
- Possibility of ground level installation.
- Clean room installation.
- Full opening housing.



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 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 due possibility for ground 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 for ease maintenance, inspection, cleaning and validation.

Discharging chute

with pronounced slope and electro polishing to facilitate cake discharge, easily accessed for cleaning and validation.³



Clean room installation possible by "through the wall" separation of processing and technical areas.²

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

sacross the entire length of the basket to ensure uniform cake thickness.

1. Full opening casing



2. "Through the wall" installation



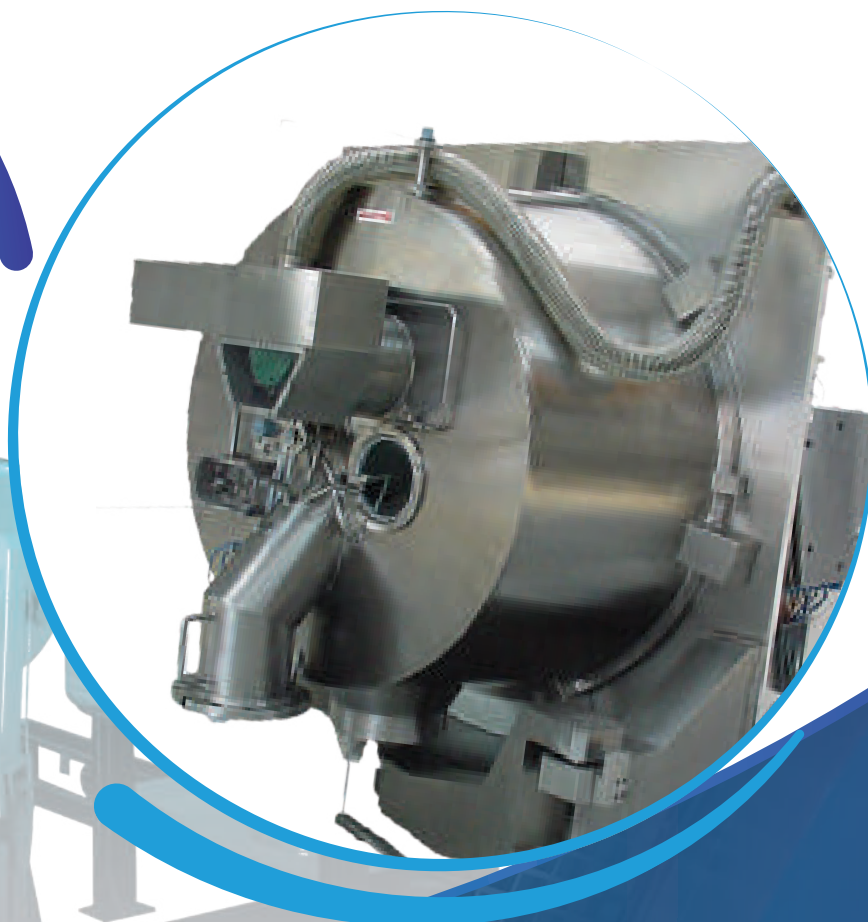
3. Inclined discharging chute



TECHNICAL CHARACTERISTICS OF EHBL CENTRIFUGES

TYPE EHBL	Basket						
	∅ mm	Depth mm	Useful volume L	Maximum load kg	Filtration area m ³	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.



HEADQUARTERS

ROUSSELET ROBATEL
45 Avenue Rhin et Danube
Parc d'activité économique de Marenton
07104 ANNONAY - FRANCE
Tel.: +33 (0)4 75 69 22 11
E-mail: info@rousselet-robotel.com

UK

Rousselet UK Ltd
Parkside House, 17 East Parade
HARROGATE
NORTH YORKSHIRE HG1 5LF
Tel: + 44 (0)1 423 530 093
E-mail: info@rousselet-robotel.com

DEUTSCHLAND

ARRGOS GmbH
Max-Eyth-Str. 1
D-71691 Freiberg a.N.
Tel : +49(0)7 7229 20
Fax : +0)173 757 6226
Email : nicolas.kiehl@arrgos.de

USA

Robotel Inc.
703 West Housatonic Street
PITTSFIELD
MA 01201
Tel: + 1 413 499 4818
E-mail: sales@rr-centrifuge.com