



ROUSSELET
ROBATEL

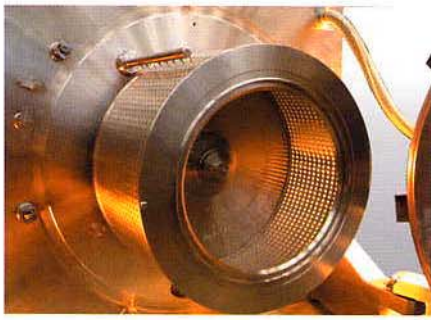
HORIZONTAL PEELER CENTRIFUGES ***GMP STANDARD***

for the fine chemical, pharmaceutical industries ...



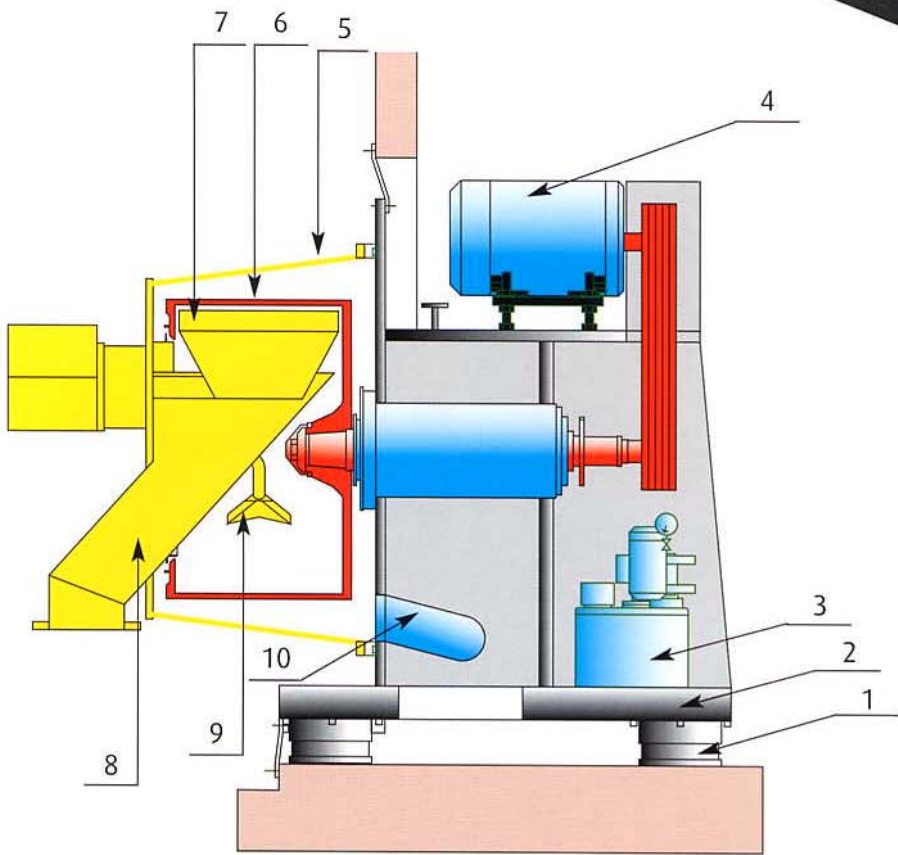
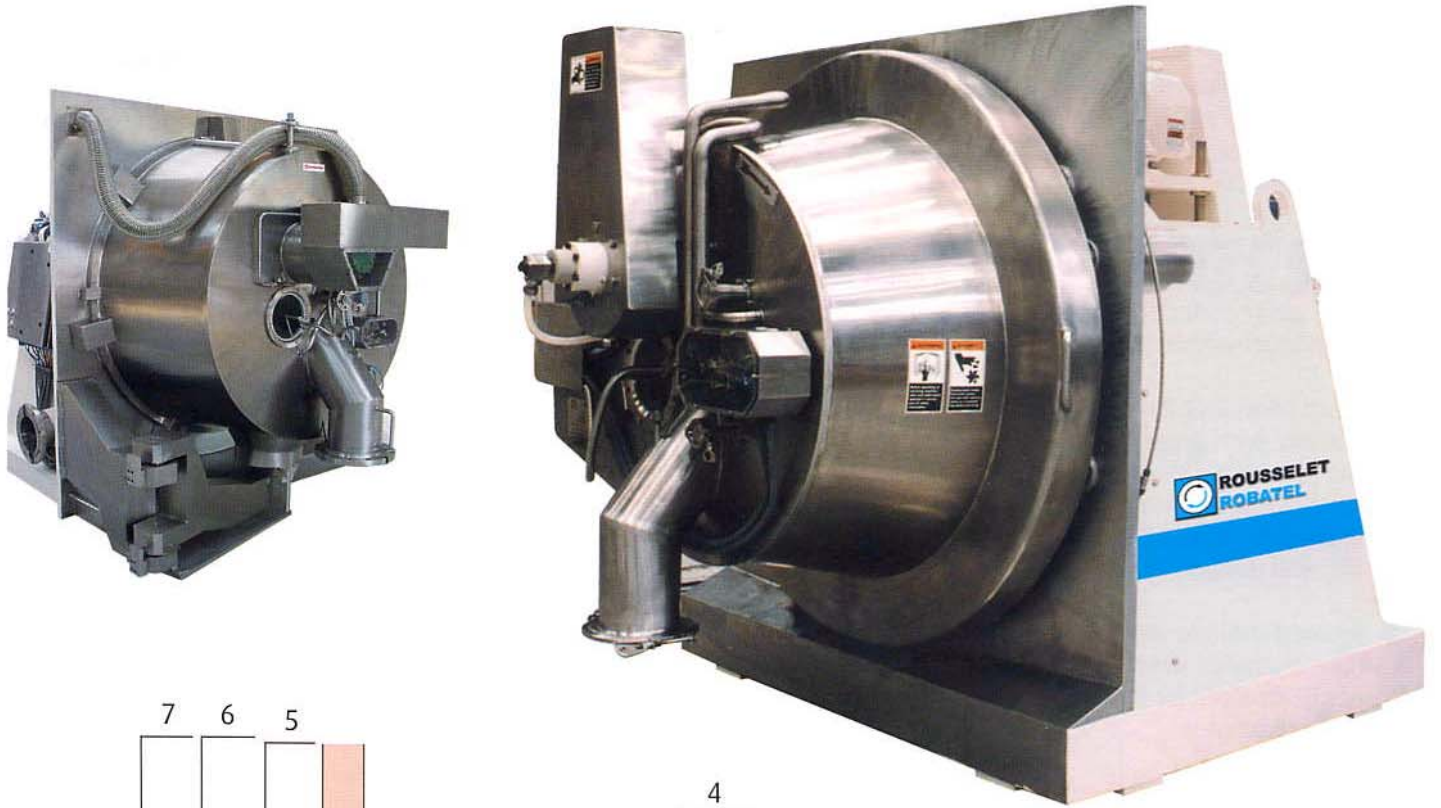
ROUSSELET ROBATEL

offers you with its peeler centrifuge range for the fine chemical and pharmaceutical industries :



- Centrifuge with integrated inertia plate
- Fully opening housing locked by manual or hydraulic clamps
- Single motion broad peeler knife
- Cake discharge through an inclined chute or via horizontal screw conveyor
- Feeding pipe optimises slurry distribution in the basket
- Wash pipe with spray nozzles
- Various cake detection devices
- Numerous residual heel removal systems
- Several devices for fixation of filtration cloth and backing screen
- High grade of surface finish for wetted parts ($R_a < 0.8\mu\text{m}$, higher grades available upon request)
- Gas tight ready to receive an inerting system
- Nitrogen pressure monitoring systems or oxygen monitoring systems available
- Single or double hydraulic syphon for separation of mother liquors from wash liquors
- Sealed or explosion-proof electrical equipment
- Three level vibration monitoring system
- Excellent sealing of the main shaft assembly
- Speed variation and braking achieved by an inverter drive system
- Several possibilities for control systems from completely manual to fully automatic with a local operator interface and the possibility of plant networking
- Complete CIP (clean in place) system
- Wide range of construction materials : Stainless steel; Alloys; Ebonite and Halar coatings. Various grades of sealing materials available.





- 1 **VIBRATION ISOLATORS**
- 2 **INTEGRATED INERTIA PLATE**
- 3 **HYDRAULIC PACK**
- 4 **ELECTRIC MOTOR**
- 5 **FULLY OPENING HOUSING**
- 6 **BASKET**
- 7 **BROAD PEELER KNIFE**
- 8 **CAKE DISCHARGE CHUTE**
- 9 **FEEDING PIPE**
- 10 **FILTRATE OUTLET PIPE**

ROUSSELET ROBATEL

now operating as a single company, has the added advantage of combining the skills and experience developed over many years by the two previously independent companies.

Our clients benefit from the flexibility and fast response from commercial and technical teams who are ready to assist by providing services one would expect from a world leading authority in the centrifugation field.



Main advantages

- ❶ Full opening housing gives complete access to the entire processing area which allows for ease of maintenance, inspection, cleaning and validation.
- ❷ High grade surface finish for all product wetted parts.
- ❸ Clean room installation possible with separation of the processing area from the mechanical components which is achieved with a "through the wall design".
- ❹ Inclined chute to facilitate cake discharge which is easily accessed for cleaning and validation.
- ❺ Feeding of the slurry across the entire length of the basket ensures uniform cake thickness.



- ❻ Low residual moisture achieved by high "G" effect.
- ❼ Possibility to "flood wash" the basket by partial filling the housing with wash liquors and rotating the basket at low speed.
- ❽ Self-ballasted frame offering installation flexibility with lower height requirements, smaller footprint, and corresponding savings in installation costs.

Technical specifications

Type	Basket							Centrifuge			
	Ø (mm)	Depth (mm)	Useful Volume (l)	Max Load (kg)	Filtration Surface area (m ²)	Nominal Speed (rpm)	Centrifugal Force (G)	Nominal Power (kw)	Weight (T)	Overall Dimension LxW (m)	Height (m)
EHL 503	500	250	24	30	0,4	2600	1890	7,5	1,7	1,25x1,05	1,45
EHL 633	630	315	40	50	0,63	2300	1860	11	4,2	1,95x1,45	1,90
EHL 813	810	350	94	120	0,9	2000	1810	15	5,3	1,90x1,55	1,85
EHL 1053	1050	610	220	275	2	1550	1410	22	8,1	2,55x2,05	2,25
EHL 1153	1150	610	330	410	2,2	1400	1260	37	10,3	2,50x2,10	2,30
EHL 1323	1320	720	440	550	3	1235	1130	37	12,6	3,05x2,35	2,50

* other models and basket figures are available on request

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