

Pharma Peeler Centrifuge *HX/GMP model*



For the efficient separation of solids and liquids in a single sealed environment
Fine chemicals – active pharmaceutical ingredients



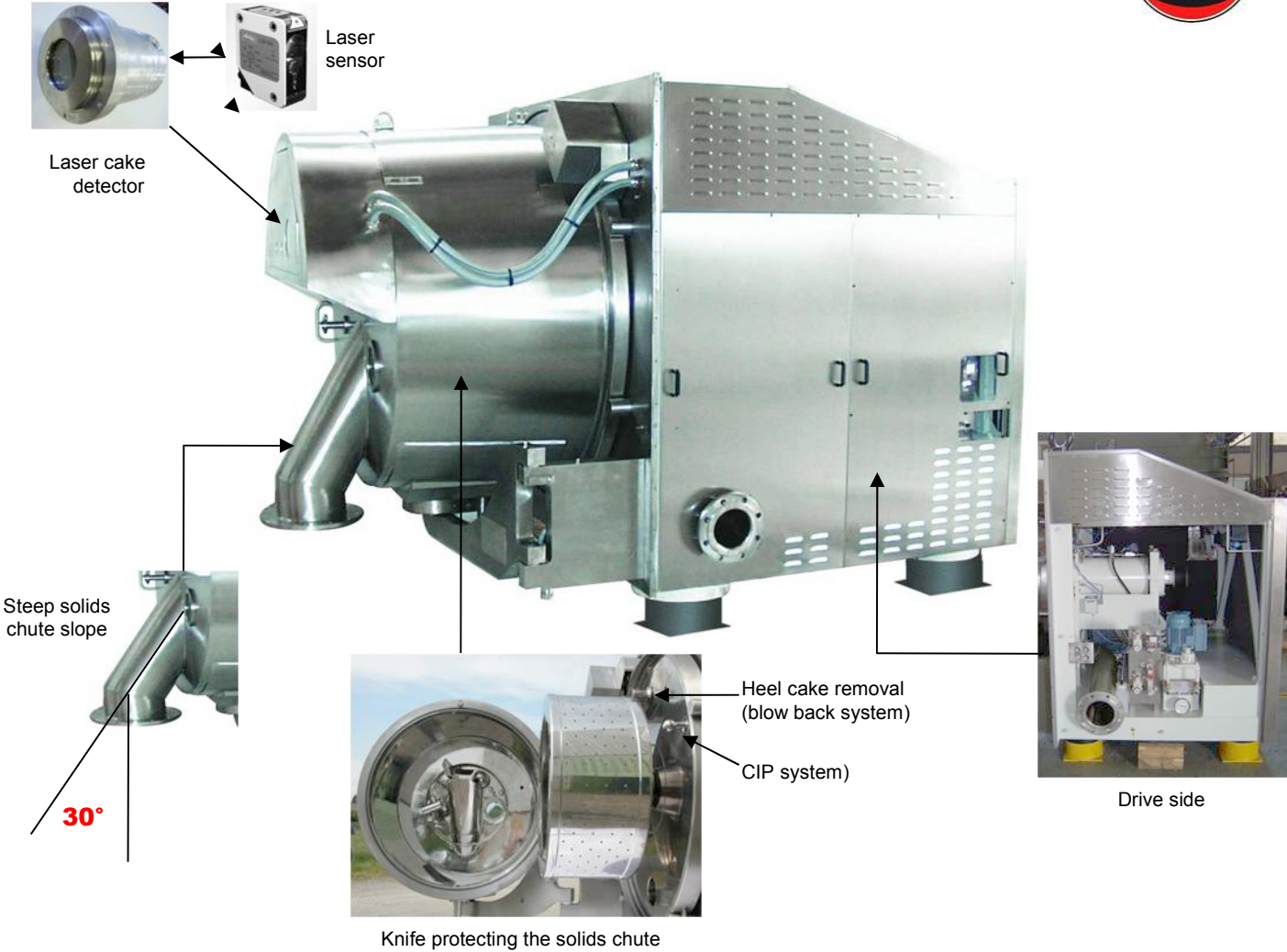
COMI CONDOR S.p.A. -

Centrifuge technology since 1920

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Peeler Centrifuge Design & Specifications



Knife protecting the solids chute

PROCESS ADVANTAGES

- through the wall installation
- horizontal basket assures even loading of cake
- filter medium is easily changed and secured in the basket
- polypropylene or PTFE filters of various weaves and sizes
- cGMP design eliminate most threaded internal parts
- access to all areas including rear of basket and shaft seal
- complete CIP spray coverage
- **peeler knife with chute protection**
- "heel" removal assist with optional reverse blow black
- laser cake detector (**external to the process chamber**)
- steep solids discharge chute (**30° from vertical**)
- pressure tight to 400 mm H₂O (0.6 psig)
- inert gas purging
- contact materials: 316L, Hastelloy, Inconel, Monel
- surface coating: Halar, ETFE

CONTROL OPTIONS

- complete PLC controls with touch screen interface
- switch between automatic and manual operation
- variable frequency drive (VFD) speed control
- ATEX electrical enclosures
- optional instrumentation integrated into the control system including oxygen monitoring, temperature, pressure, liquid feed flow, N₂ purge flow, effluent particle detection and fluid clarity



AFTER-MARKET SUPPORT

- field service & technical support available 24/7
- mechanical and electrical parts
- process control and maintenance manuals
- certifications and construction documentation
- mechanical and electrical upgrades



Centrifuge Model HX/GMP	Units	500/220	700/280	850/380	1030/500	1150/500	1300/610	1450/730	1580/730	1700/900
Basket diameter	mm	500	700	850	1030	1150	1300	1450	1580	1700
Basket length	mm	220	280	380	500	500	610	730	730	900
Filtering surface	m ²	0,35	0,62	1,01	1,62	1,81	2,49	3,32	3,62	4,81
Cake volume	dm ³	22	46	90	165	222	340	486	660	921
Slurry density	kg/dm ³	1,25	1,25	1,25	1,25	1,25	1,25	1,25	1,25	1,25
Maximum basket load	kg	28	58	112	207	278	425	607	825	1151
Maximum basket speed	RPM	2700	2300	1850	1500	1400	1200	1150	950	950
G-factor x g	G	2037	2070	1626	1295	1260	1046	1072	797	858
Centrifuge weight	kg	2500	3700	5600	7600	9600	13000	16500	18000	22000
Solid chute slope	° vs vertical	30	30	30	30	30	30	30	36	37