

# Pharma Peeler Centrifuge *HX/GMP model*



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



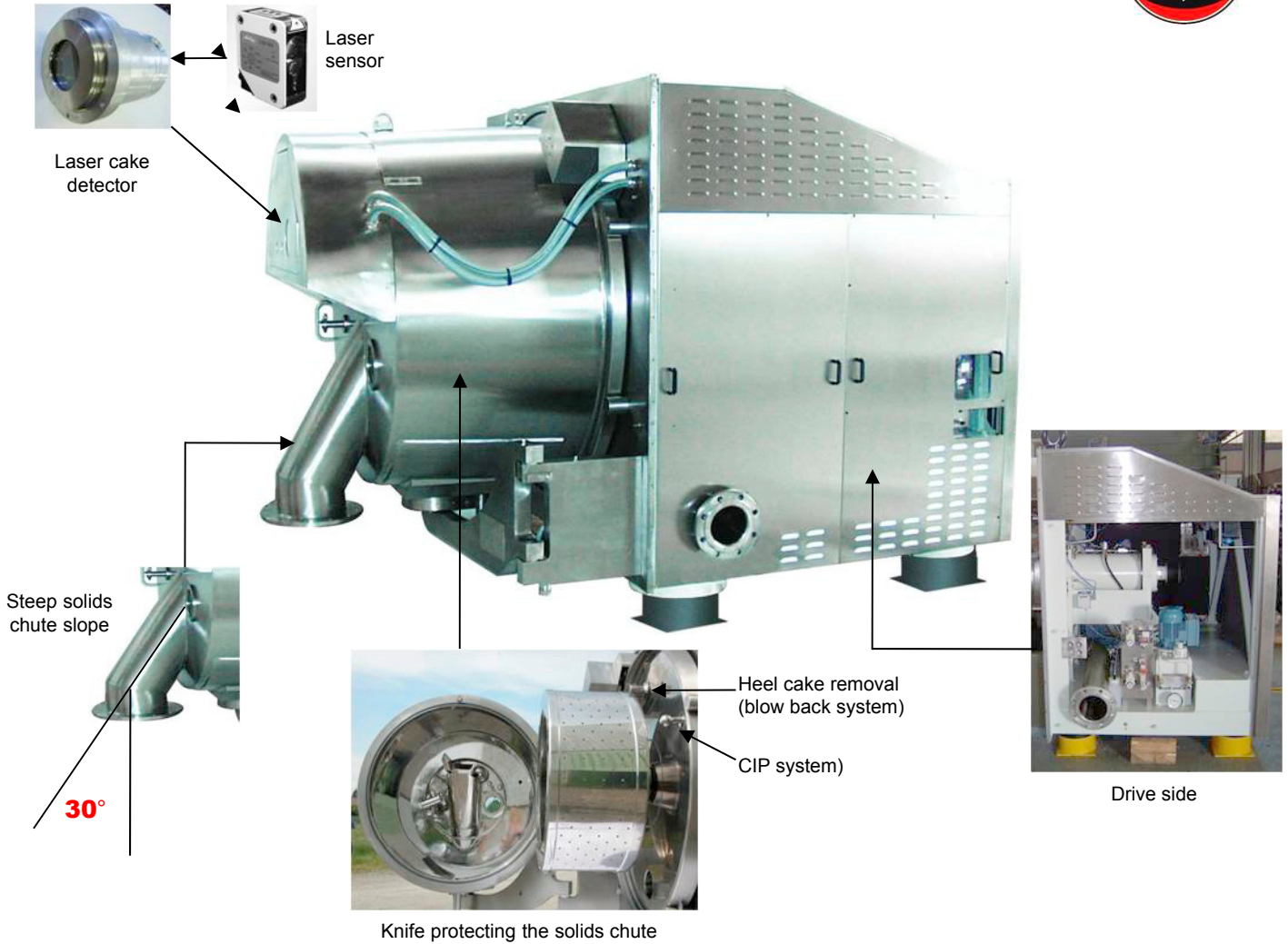
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# Peeler Centrifuge Design & Specifications



## 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 H<sub>2</sub>O (0.6 psig)
- inert gas purging
- contact materials: 316L, Hastelloy, Inconel, Monel
- surface coating: Halar, ETFE

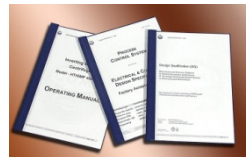
## CONTROL OPTIONS

- 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, N<sub>2</sub> 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	400/170	500/220	700/280	850/380	1030/500	1150/500	1300/610	1450/730	1600/800	1750/920
<b>Basket diameter</b>	mm	400	500	700	850	1030	1150	1300	1450	1600	1750
<b>Basket length</b>	mm	170	220	280	380	500	500	610	730	800	920
<b>Filtering surface</b>	m <sup>2</sup>	0,21	0,35	0,62	1,01	1,62	1,81	2,49	3,32	4,02	5,05
<b>Cake volume</b>	dm <sup>3</sup>	11	22	44	90	165	222	340	486	733	991
<b>Slurry density</b>	kg/dm <sup>3</sup>	1,25	1,25	1,25	1,25	1,25	1,25	1,25	1,25	1,25	1,25
<b>Maximum basket load</b>	kg	14	28	55	112	207	278	425	607	916	239
<b>Maximum basket speed</b>	RPM	3000	2700	2300	1850	1500	1400	1200	1150	950	900
<b>G-factor x g</b>	G	2011	2037	2068	1626	1295	1260	1046	1072	807	792
<b>Centrifuge weight</b>	kg	1100	2500	3700	5600	7600	9600	13000	16500	22000	34000
<b>Solid chute slope</b>	° vs vertical	30	30	30	30	30	30	30	30	36	37