

# High Performance Peeler Centrifuges

from **COMI-CONDOR**



For the efficient separation of solids and liquids in a single sealed environment.

fine chemicals ◦ pharmaceuticals ◦ agricultural chemicals ◦ biologically active chemicals ◦ toxic chemicals



THE WESTERN STATES MACHINE CO. of Hamilton, Ohio is the exclusive representative for **COMI-CONDOR** in the U.S.A., Puerto Rico and Canada. **WESTERN STATES** provides sales, field service, technical support and parts for **COMI-CONDOR** centrifuges.

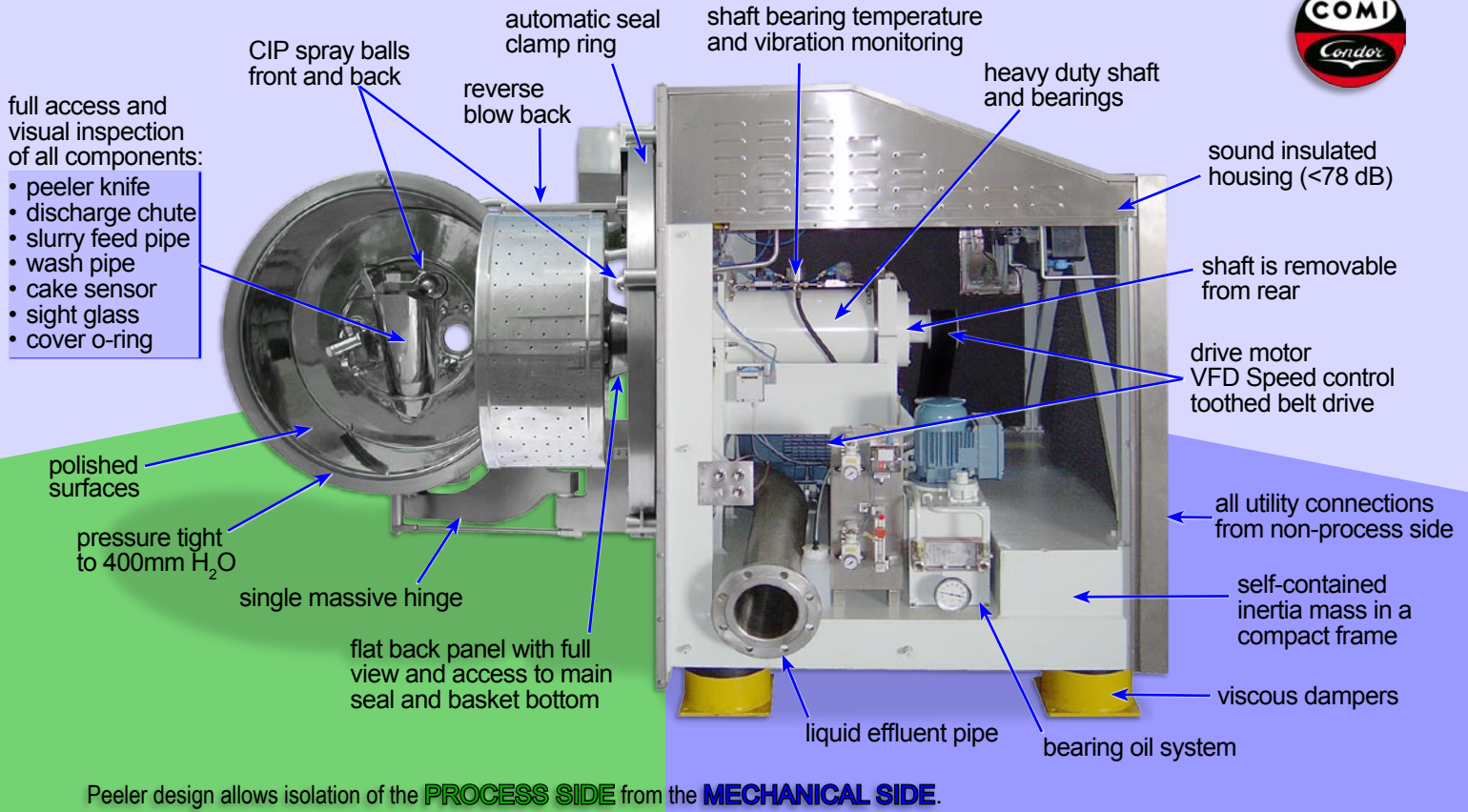


**THE WESTERN STATES MACHINE COMPANY**

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# Peeler Centrifuge Design & Specifications



## PROCESS ADVANTAGES

- 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 including inside of basket, inside of front housing, rear panel and back side of basket
- non-fouling peeler knife for maximum solids recovery
- "heel" removal assist with optional reverse blow back
- steep solids discharge chute (30° to 37° 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 coatings: Halar, PTFE, ETFE

## CONTROL OPTIONS

- complete PLC controls with touch screen interface
- switch between automatic and manual operation
- variable frequency drive (VFD) speed control
- NEMA-4 and NEMA-7&9 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



## Horizontal Peeler Centrifuge Models

Dimensions & Capacities	Units	HX500	HX650	HX850	HX1030	HX1150	HX1300	HX1450	HX1580	HX1700
basket diameter	inches	19.7	25.6	33.5	40.6	45.3	51.2	57.1	62.2	66.9
basket length	inches	8.7	11.0	15.0	19.7	19.7	24.0	24.8	28.7	35.4
filtering surface	ft <sup>2</sup>	3.8	6.1	10.9	17.4	19.5	26.8	30.9	39.0	51.8
cake volume	ft <sup>3</sup>	0.8	1.5	3.2	5.8	7.8	12.0	15.6	23.3	32.5
max. load (@ 78 lbs./ft <sup>3</sup> )	pounds	62	117	246	455	612	935	1,214	1,815	2,532
max. basket speed	rpm	2,700	2,300	1,850	1,500	1,400	1,200	1,100	950	950
G-factor	G's	2,037	1,922	1,626	1,295	1,260	1,046	981	797	858
centrifuge weight	pounds	5,500	8,140	12,320	16,720	21,120	28,600	35,200	39,600	48,400



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