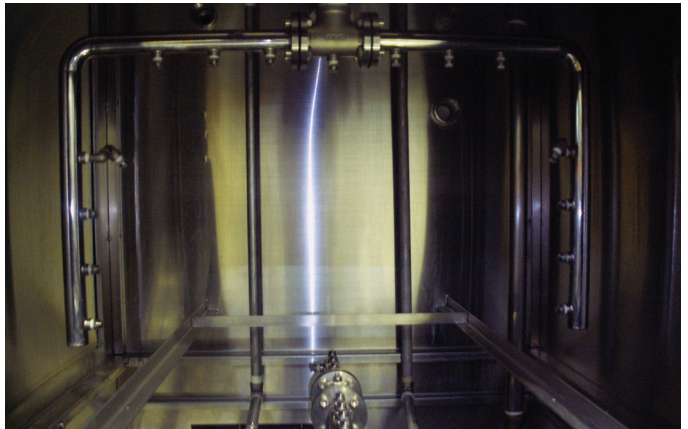


# CYCLOJET INEX-PLUS SERIES



The **Cyclojet INEX-PLUS Series** is the latest type of component cleaning system developed by Cyclojet for various industrial applications. With extensive research, it is the best-equipped economical cabinet parts washer under our Cyclojet range. Cyclojet INEX PLUS is a multi-stage industrial parts washing system that offers different cleaning technologies : Spray Jet, Immersion Cleaning and an optional Ultrasonic Cleaning and Drying Stage in a single equipment.

The Cleaner comes in three different sizes: **Small, Medium** and **Large** and is compactly and ergonomically designed to suit the modern production floor.

All parts of the machine which are in direct contact with the cleaning fluid are fabricated with good stainless steel grade material. The layout of the major components such as wash pump, immersion heaters, electrical switchboard, etc. are strategically

positioned so that they can be easily accessed for both operational and maintenance requirements. Many other innovative, yet simple, features have been incorporated into the design of the Cyclojet INEX-PLUS Multi-stage Cleaning System to make it a truly powerful machine. The Cleaner is best suited for aqueous-based cleaning but, with some slight modifications, the machine can also be used for other solvent-based cleaning.



## Key Features:

- Comes in standard **Small, Medium & Large** sizes
- Modular, compact and ergonomic sleek design
- Aqueous-based cleaning using biodegradable detergent
- Very high cleaning efficiency and reliability
- Combining Spray Jets & Immersion Cleaning technologies
- Fully automatic operation with different sets of menu program
- Machine configurable with many optional features
- Water-based cleaning with 100% automatic filtering and recycling
- Complete stainless steel construction on all wetted parts
- Special load basket carriage with auto lifting & mechanical oscillation system
- High pressure multi-stage stainless steel immersion wash pump
- Stainless steel hinged door, which also acts as a wash basket drip pan
- Integrated stainless steel door drip pan and wash basket
- Viewing window & internal LED lightings
- Full access wash chamber slide-side service hatch
- Special integrated machine base skid c/w castor wheels & levelling legs
- Multi-stage high pressure wash pump with pressure adjustment & monitoring
- Electric heating with microprocessor-based digital temperature control
- Fully insulated reservoir tank for energy conservation
- Inclined reservoir tank bottom & collector sump for heavy sludge
- Oil Skimmer or Oil Separator option for removal of waste oil
- Automatic exhaust system
- Stainless steel wash basket, coarse particles strainers and piping system
- Comprehensive electro-mechanical safety interlock system
- Integrated PLC-based HMI main control panel c/w multi-color LED light monitoring status



## Options/Accessories:

- **Steam Extractor** – for automatic extraction of hot steam out of the wash chamber before opening the door as a personnel safety precaution.
- **Oil-Skimmer Assembly** – for automatic removal of floating waste oil out of the reservoir tank to prolong the bath life.
- **Oil-Separator Assembly** – for positive & effective removal of floating waste oil automatically out of the wash reservoir to prolong the bath life.
- **Manual Spray Gun** – for manual cleaning of the washparts using a separate pump and control system.
- **Manual Blow Dry Gun** – for manual blow drying of washparts using factory CDA supply.
- **Small Parts Basket** – for containment of small parts during the washing process to prevent them from "flying" around in the wash chamber.
- **Fine Particles Filters** – for entrapping fine particles during the washing process using filter bags system with stainless filter housing and pressure gauge monitoring.
- **Auto-Lifting Door System** – instead of standard hinged door design c/w safety integrated interlocks.
- **Auto-Drainage Transfer System** – for automatic drainage collection and transferring of excess waste water during operation (exclude room piping).
- **Auto-Drying System** – for automatic drying of washparts within the wash chamber using integrated turbine blower and air knives.
- **Auto-Detergent Dosage System** – for automatic monitoring & dispensing of wash detergent inside the wash tank reservoir.
- **Ultrasonic System** – for ultra high immersion cleaning result using patented high efficiency tubular ultrasonic resonators and generators in the wash tank.

## Benefits/Advantages:

- Simple, compact and reliable
- Industry-proven design
- High cleaning efficiency
- Water-based cleaning using environmentally friendly detergent
- Automatic filtering and recycling
- Low cost investment & operation
- Easy maintenance and servicing
- Optimizing operator's productivity
- Powerful to clean almost any mechanical parts
- Can be configured from a simple to a sophisticated cleaning machine

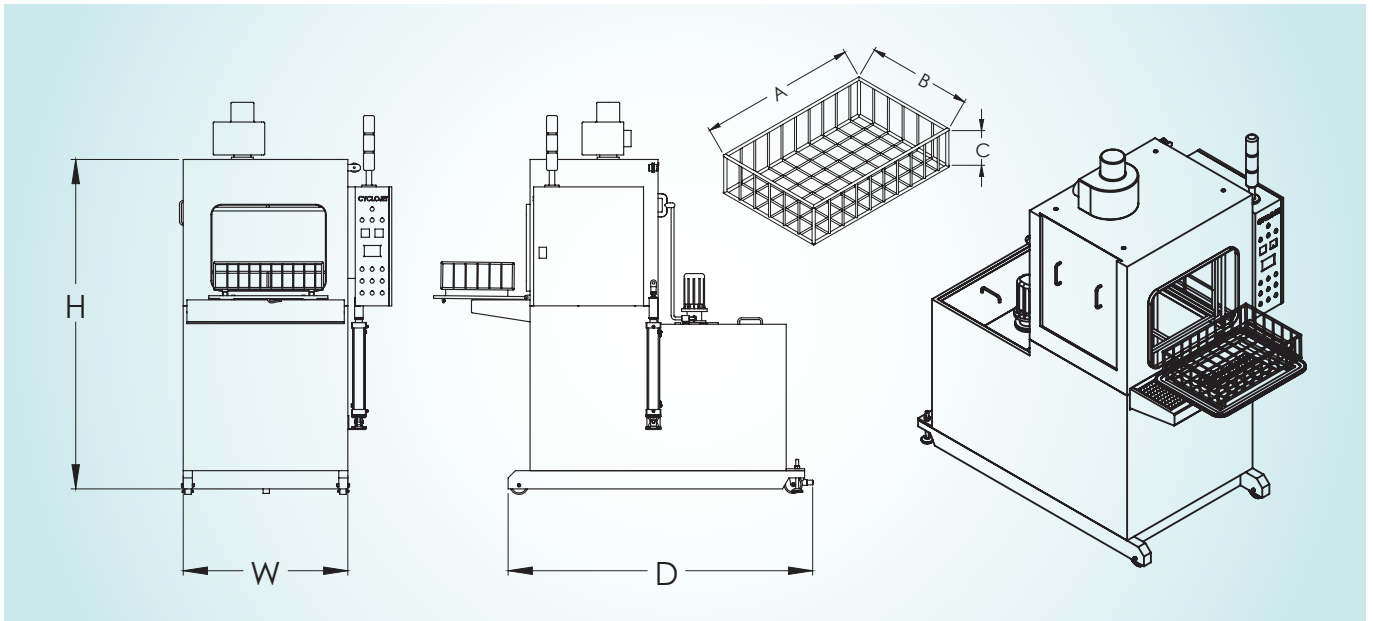
## Industrial Applications:

- Aerospace
- Automotive
- Engines & Turbines Overhaul
- Maintenance Workshop
- Manufacturing
- Metal Forming
- Metal Machining
- Printing
- Railway Depot
- Shipyard



# CYCLOJET INEX-PLUS SERIES

(Small/Medium/Large)



## Technical Specifications

S/N	DESCRIPTIONS	SMALL	MEDIUM	LARGE
1.0	MODEL NO.	CJ-4030-IP	CJ-6040-IP	CJ-8050-IP
2.0	Wash Basket			
2.1	Maximum Size (A x B x C) <sup>A</sup>	400 x 300 x 150 mm <sup>A</sup>	600 x 400 x 150 mm <sup>A</sup>	800 x 500 x 150 mm <sup>A</sup>
2.2	Door Opening	450 x 500 mm	650 x 500 mm	850 x 500 mm
2.3	Maximum Load Capacity	25 Kg	50 Kg	100 Kg
3.0	Principal Dimensions			
3.1	Overall Size (W x D x H)	1000 x 1300 x 2000 mm	1300 x 1400 x 2100 mm	1500 x 1600 x 2200 mm
3.2	Loading Height (H)	950 ~ 1000 mm	950 ~ 1000 mm	950 ~ 1000 mm
4.0	Other Specifications			
4.1	Wash Tank Capacity	600 L	900 L	1400 L
4.2	Wash Pressure (Max)	2.0 ~ 3.0 Bar	3.0 ~ 4.0 Bar	4.0 ~ 5.0 Bar
4.3	Wash Capacity (Max)	80 Lpm	100 Lpm	150 Lpm
4.4	Heaters Capacity (3-Ph)	12.0 Kw	18.0 Kw	24.0 Kw
4.5	Heat-Up Time (approx.)	60 ~ 90 mins	60 ~ 90 mins	60 ~ 90 mins
4.6	Wash Temperature (Max)	60 ~ 70 deg-C	60 ~ 70 deg-C	60 ~ 70 deg-C
4.7	Wash Duration (approx.)	15 ~ 30 mins	15 ~ 30 mins	15 ~ 30 mins
4.8	Exhaust Fan (Option )	2.5 m <sup>3</sup> / min	3.0 m <sup>3</sup> / min	4.0 m <sup>3</sup> / min
4.9	Equipment Weight (Est.)	450 Kg	700 Kg	1000 Kg
5.0	Utilities Requirements			
5.1	Electrical Supply <sup>B</sup>	380 ~ 400 Volts <sup>B</sup>	380 ~ 400 Volts <sup>B</sup>	380 ~ 400 Volts <sup>B</sup>
5.2	No. of Phase/ Frequency <sup>B</sup>	3-Phase/ 50 Hz <sup>B</sup>	3-Phase/ 50 Hz <sup>B</sup>	3-Phase/ 50 Hz <sup>B</sup>
5.3	Connected Load (Max)	6.0 Kw (TPN+E)	9.0 Kw (TPN+E)	12.0 Kw (TPN+E)
5.4	Air Supply/ Connections	4 ~ 6 Kgf @ ½" BSP	4 ~ 6 Kgf @ ½" BSP	4 ~ 6 Kgf @ ½" BSP
5.5	Exhaust Outlet Opening	Dia. 75 mm	Dia. 100 mm	Dia. 125 mm
5.6	Drainage Outlet	Dia. 50 mm	Dia. 50 mm	Dia. 50 mm

Machine specifications are subject to change without prior notice.

NOTE: <sup>A</sup> All other sizes can be offered as an option.

<sup>B</sup> All other electrical power supply can be offered as an option.