



## INDUSTRIAL ULTRASONIC CLEANING SYSTEMS THE NEXT GENERATION OF PARTS CLEANING TECHNOLOGY



Introducing the new range of Ultrasonic Cleaners by ISTpure, a powerful and eco-friendly solution to clean and restore parts in a variety of shapes and sizes in minutes using tap water or specialty soaps.

Ultrasonic cleaning uses cavitation bubbles induced by high-frequency sound waves (usually between 20 and 400 kHz) to agitate a fluid. The agitation produces high forces on contaminants adhering to substrates causing them to remove from the surface and cavities.

You can count on ISTpure's ultrasonic cleaners to efficiently remove oil, grease, dust, and other hard-to-remove dirt and obtain cleaner parts with fewer efforts.

### MARKETS

- Aerospace & Aviation
- Automotive & Transportation
- Industrial Machines
- Medical Equipment
- Metal Finishing
- Printing & 3D Printing
- Specialty Cleaning
- Tools & Machining

### COMMON APPLICATIONS

- Disaster Recovery
- Industrial Manufacturing
- Industrial Parts Cleaning & Degreasing
- Light-Duty Vehicle & Heavy Equipment Mechanic
- Maintenance of Equipment & Tools
- Molds Cleaning
- Refurbishment & Repair Workshops
- Polishing & Metal Finishing

### KEY BENEFITS

#### **Increases Productivity**

- ✓ Reduces labor costs
- ✓ Hands-free cleaning
- ✓ Programmable controls for automated cleaning cycles

#### **Precision Cleaning – Fast and effective**

- ✓ Cleans a variety of parts and surfaces (metals, plastics, glass, rubber, and ceramics)
- ✓ Cleans hard to reach blind holes and cavities

#### **Safe for Employees & Environmentally Friendly**

- ✓ Replaces hazardous cleaning solvents
- ✓ Uses biodegradable soaps & hot water only

#### **Equipment Variety – For all industry and cleaning needs**

- ✓ From table top to large-capacity units to accommodate casual or regular users and parts of any sizes
- ✓ Custom design available upon request
- ✓ Large range of detergents and cleaning solutions to address any applications



### TABLE TOP UNITS



UC 0907

UC 1208

UC 1911

UC 2012T3

### TECHNICAL SPECIFICATIONS

DESCRIPTION	MODEL			
	UC 0907	UC 1208	UC 1911	UC 2012T3
<b>Tank Capacity</b>	1 gal	3 gal	9 gal	12 gal
<b>Overall Dimensions (L x W x H with open lid)</b>	24" x 13" x 18"	30" x 13" x 18"	43" x 18" x 16"	43" x 14" x 15"
<b>Cleaning Tank Dim'S (L x W x D)</b>	9" x 7" x 9"	12" x 8" x 9"	19" x 11" x 10"	12" x 7" x 11"
<b>Ultrasonic Power</b>	400 W peak / 200 W average	600 W peak / 300 W average	1,200 W peak / 600 W average	
<b>Heat Power</b>	250 W	500 W	1,000 W	
<b>Electrical Requirements</b>	110 V / 5 A / 1 Φ	110 V / 7 A / 1 Φ	110 V / 15 A / 1 Φ	110 V / 15 A / 1 Φ
<b>Product No.</b>	365000	365005	365010	365___

### OPTIONAL ACCESSORIES

<b>Full Length Basket</b>	365500	365501	365502	-----
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### ALL APPLICATIONS CLEANING STATIONS



UC 2013/2013D/2013D2



UC 2013DT3



UC 3216

### TECHNICAL SPECIFICATIONS

DESCRIPTION	MODEL				
	UC 2013	UC 2013D	UC 2013D2	UC 2013DT3	UC 3216
Tank Capacity	16 gal	23 gal	2 x 23 gal	3 x 23 gal	31 gal
Overall Dimensions (L x W x H with open lid)	48" x 25" x 36"	52" x 30" x 36"	104" x 30" x 36"	89" x 29" x 42"	70" x 27" x 36"
Cleaning Tank Dim's (L X W X D)	20" x 13" x 14"				32" x 16" x 14"
Overflow Tank Dim's (L X W X D)	20" x 6" x 14"				16" x 8" x 14"
Ultrasonic Power	2,400 W peak / 1,200 W average				3,600 W peak / 1,800 W average
Heat Power	800 W	1,000 W	2,000 W		1,000 W
Electrical Requirements	120 V / 15 A 1 Φ	120 V / 20 A 1 Φ	208-240 V 3 Φ	208-240 V 1 or 3 Φ	
Product No.	365015	365016	365020	_____	365025

### OPTIONAL ACCESSORIES

Half Basket	N/A		_____	365505
Full Length Basket	365503	365504	_____	365506
Full Length Rack	365510		_____	365511



### LARGE INDUSTRIAL CLEANERS



UC 3624/4230



UC 3624LT/UC 4230LT



UC 6030LT

### TECHNICAL SPECIFICATIONS

DESCRIPTION	MODEL				
	UC 3624	UC 3624LT	UC 4230	UC 4230LT	UC 6030LT
Tank Capacity	65 gal		120 gal		240 gal
Overall Dim's (L x W x H with open lid)	50" x 40" x 40" (add 18" with drain shelf)	62" x 45" x 69" (add 18" with drain shelf)	56" x 40" x 36" (add 24" with drain shelf)	68" x 56" x 75" (add 24" with drain shelf)	92,5" x 57" x 99"
Cleaning Tank Dim's (LxWxD)	36" x 24" x 14"		42" x 30" x 18"		60" x 30" x 26"
Overflow Tank Dim's (L X W X D)	36" x 6" x 14"		42" x 6" x 18"		Lift table: 53,5" x 25" x 23"
Ultrasonic Power	7,200 W peak / 3,600 W average		10,800 W peak / 5,400 W average		14,400 W peak / 7,200 W average
Heat Power	4,000 W			6,000 W (2x3,000 W)	12,000 W (2 X 6,000 W heating elements)
Electrical Req.	208-240V / 1 or 3 Φ	208-240V / 3 Φ			
Product Nb.	365030	-----	365035	-----	365040

### OPTIONAL ACCESSORIES

Half Basket	365507		365509		N/A
Full Length Basket	365508		365520		
Full Length Rack	365512		365513		365521
Basket/Rack	N/A		365515		
Hook on drain shelf	365514		N/A		N/A

### ULTRASONIC CLEANER FEATURES & ACCESSORIES

#### Standard Features

- ✓ All polished stainless steel construction
- ✓ Insulated tank for faster heat up & energy savings
- ✓ Adjustable ultrasonic power with sweep function
- ✓ Programmable controls for ultrasonic cleaning cycle (analog timer on UC 0907 and UC 1208)
- ✓ Digital temperature controller
- ✓ One full length parts basket included\*
- ✓ 40 kHz dual bonded transducers
- ✓ Leveling devices for temperature and cycle time
- ✓ Easy operation and maintenance
- ✓ Lid that form a drain shelf
- ✓ Warranty : 1 Year Parts & Labor

*\*Two full tank baskets supplied with UC 2013D2*

#### Additional Features

- ✓ 7-day programmable heat timer to fit your work schedule (starting on UC 2013)
- ✓ Wheels with locking casters & leveling devices (starting on UC 2013)
- ✓ Built-in filtration system : dual cartridge with surface skimming and overflow tank (starting on UC 3624 and standard on UC 2013D/D2/DT3)
- ✓ Lift table (available on UC 3624LT, UC 4230LT, and UC 6030LT only)
- ✓ Multi-Tank System available

#### Optional Accessories

- ✓ Plasticoat – Plastic Basket Coating (365516)
- ✓ Custom Compartments (365517)
- ✓ Oil skimmer with stainless steel belt kit (365518)
- ✓ Stainless steel belt replacement (365519)
- ✓ Gloves





### CLEANING SOLUTION

IST range of cleaning solution provides efficient and economical chemicals for cleaning and degreasing various parts in ultrasonic cleaners, heated immersive tanks, agitation tanks, and manual or automated parts washers.

PRODUCT	DESCRIPTION	TYPE
IST-Clean 1600	All-Purpose Multi-Metal Cleaner/Degreaser	Liquid / Alkaline
IST-Clean 1875	Heavy-Duty Cleaner/Degreaser for Ferrous Metals	Powder / Alkaline



#### AVAILABLE FORMAT

- 55 gal Drum
- 5 gal Pail
- 1 gal Container

### CUSTOM SOLUTIONS



IST works with major chemical producers to supply special formula that can address specific applications. Our range includes Eco-Friendly Solutions, Light-Duty Cleaners for precious metals, Acide-Based Rust Removers, Surfactants, Emulsifiers, Paint Strippers and Corrosion Inhibitors

### CLEANING SOLUTION TEST KIT



Our test kits allow to extend the service life of your cleaning solution and reduces the consumption of detergent and the production of wastewater.

Simply test a sample of your cleaning solution and adjust accordingly to obtain desired concentration..

**CLEANING SOLUTIONS DATA SHEET**

<b>Product</b>	<b>IST-Clean 1600 All-Purpose Multi-Metal Cleaner/Degreaser</b>
<b>Description</b>	<b>IST-Clean 1600</b> is a multi-metal cleaner / degreaser designed for industrial cleaning processes by immersion. This product is also recommended for trucks and heavy machinery cleaning, surface cleaning and machined parts. It contains a surfactant and emulsifier degreaser offering increased efficiency with oily dirt, grease, machining fluids and protective films. It also contains a corrosion inhibitor for ferrous and non-ferrous metals.
<b>Applications</b>	Efficient to remove oily residues, greases and cooked greases, carbon or other types of dirt on various ferrous and non-ferrous metals in immersion, ultrasounds, agitation or spray cleaning applications.
<b>Safe On</b>	Aluminum, Magnesium, Zinc, Copper, Brass, Zirconium, Titanium, Steel & Other Ferrous Metals.
<b>Not Recommended For</b>	Precious Metals, Galvanized Steel.
<b>Instructions</b>	Mix <b>IST-Clean 1600</b> with heated water and expose parts to solution for few minutes up-to one hour at the time. If the part is painted, add small quantity of <b>IST-Fix 8800 Paint Stripper</b> (5% - 10%) to accelerate paint removal. No rinsing needed. <b>Recommended Soap / Water Ratio:</b> <ul style="list-style-type: none"> <li>• Light-Duty and Spray Cleaning Applications: 0.5% - 5%</li> <li>• Heavy-duty Cleaning Applications: 10% - 20%</li> </ul> Suggested water temperature: 140-160 °F

<b>Product</b>	<b>IST-Clean 1875 Heavy-Duty Cleaner/Degreaser for Ferrous Metals</b>
<b>Description</b>	<b>IST-Clean 1875</b> is a granular alkaline degreaser, decarbonizer, rust and paint stripper for ferrous metals. It contains a granular mixture of alkalies, wetting agents, sequestrants, and activating agents.
<b>Applications</b>	This powerful solution can be used for heavy-duty application on ferrous metals only.
<b>Safe On</b>	Steel & Other Ferrous Metals, Zirconium, Titanium.
<b>Not Recommended For</b>	Aluminum, Magnesium, Zinc, Copper, Brass, Precious Metals, Galvanized Steel, Some Plastics & Polymers.
<b>Instructions</b>	Mix <b>IST-Clean 1875</b> with heated or room-temperature water and expose parts to solution for few minutes up-to one hour at the time. Rinse thoroughly after cleaning process. A sustainable rinse in the middle of the cleaning cycle has also been proven efficient to accelerate cleaning and stripping operations. Follow cleaning and rinsing process with a suitable rust preventive process. <b>Recommended Soap / Water Ratio:</b> <ul style="list-style-type: none"> <li>• Typical Degreasing, Decarbonizing and Paint Stripping Applications: 4% - 12%</li> <li>• De-Rusting Applications: 15% - 20%</li> </ul> Suggested water temperature: 180-220 °F





**ABOUT THE COMPANY**

**WHO WE ARE**

**INNOVATION AND LEADING TECHNOLOGY**

IST is a leading industrial manufacturer of standard and custom engineered equipment for the surface treatment industry and the solvent recycling industry.

Founded in 1978, IST is a North American leader in solvent recycling systems, paint gun washers, industrial cleaning equipment and automated sandblasting systems. The company's success is based on its unwavering commitment to technical excellence, world-class manufacturing and unparalleled customer service.

**MISSION**

IST is dedicated to being an innovative and trusted supplier in the conception, fabrication and distribution of working closely with qualified distributors and equipment manufacturers, ISTpure offers systems, products and technologies that set the quality standard in a wide range of cleaning and recycling solutions. ISTpure provides equipment for a wide range of industries for cleaning paint equipment including the automotive and industrial solvent recycling systems to reduce solvent usage and disposal.

The success of our mission relies on the following core values:

**Innovation - Integrity - Quality**

**MARKETS SERVED**

ISTpure's ongoing investment in paint gun cleaning, solvent recycling, industrial cleaning and sandblasting systems will continue to provide innovative solutions to a diverse global market. Call today for product information.

The products, technologies and industry expertise of IST are used in a wide range of manufacturing and industrial applications, including but not limited to :

**INDUSTRIAL APPLICATIONS :**

- General Manufacturing
- General Manufacturing
- Auto Assembly
- Body Shop
- Metal forming
- Bus
- Industrial Equipment
- Fiberglass
- Flexography
- Automotive
- Furniture
- General Metal
- Printing
- Petroleum
- Rail Car
- Truck
- Flexography (labelling) & Lithography
- Wood finishing

**Benefits of Owning a Solvent Recycler Include :**

- Rail and Transit
- Significantly reduce waste.
- Major reduction in waste-related expense.
- Aerospace and Aviation
- Marine
- Power & Energy
- Major savings in reduced material purchases.
- Pharmaceutical
- Reduced fire & spill hazards.

