



CLEAN PARTS • CLEAN SHOP



NEW
INNOVATIONS
SOLVING
SHOP
PROBLEMS



PROUDLY MADE
IN THE USA

3rd Edition



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SERVING INDUSTRY FOR OVER 20 YEARS

Custom Service Solutions, Inc. (CSS) designs and manufactures the MiJET® product line for the parts cleaning industry. Our team of experts specializes in parts cleaning and air purification, along with installation of Firetrace fire suppression systems across the nation.

DEDICATION TO CUSTOMER SERVICE

Our knowledgeable sales team is available to review your application, answer questions, and present you with comprehensive solutions. It is important to us to deliver high quality products with exceptional customer satisfaction.

TESTIMONIAL— “A PRODUCT THAT SPEAKS FOR ITSELF”

“The MiJET® units in our facility have become a critical part of our workflow, saving lots of time compared to our previous parts cleaning process. Air quality has also improved due to the fact we no longer blow off parts into the machining area. The size of the MiJET® unit is considerably smaller than our previous unit, saving space as well. Our operators spend significantly less time on clean-up, and the facility is much safer since slippery floors are no longer a concern where MiJET® units are in place.”

NETWORK OF AUTHORIZED DISTRIBUTORS

CSS is proud to offer these quality "Made in the USA" products through our network of authorized distributors. We continually invest in the latest manufacturing technology to ensure we provide a reasonably priced, innovative product line that solves persistent shop problems.



Ergonomically
designed
backsplash for ease

1/4" FNPT fitting
connection



Coalescing filter
allows oil to drip
into container



Two tabs
for easy
removal



DO YOU USE COMPRESSED AIR TO CLEAN PARTS?

MIJET® UNITS ARE KEEPING SHOPS CLEAN AROUND THE GLOBE

HOW DOES A MIJET® WORK?

Powered by compressed air, MiJET® is used near CNC machines or inspection stations to clean oily residue and chips from parts. Residue is blown down into the MiJET® when the air nozzle is actuated. It simultaneously vacuums debris into the container below for recycling.

A specially designed, patented valve allows an operator to pull the trigger on an air nozzle which immediately activates both an air jet and suction.

If you are using compressed air to clean parts, simply connect the MiJET® into an air line and start cleaning. We recommend changing the filter annually to ensure optimal performance.

HOW WILL IT BENEFIT YOUR SHOP?

- Captures and contains debris for easy clean up
- Promotes safety by decreasing the risk of slips, trips, and falls
- Decreases the amount of mist in the air
- Provides respiratory protection

Standalone MiJET® Units



8" dia. Flat Top

Part Number: 14-8FL-5S

Dimensions: 34" H x 14" dia.

Weight: 28 lbs.

8" dia. Angled Top

Part Number: 14-8FL-545

Dimensions: 38" H x 14" dia.

Weight: 28 lbs.

- These models have the smallest footprint and allow for cleaning of parts at the machine without creating a mess.
- Recommended for parts that are 5 inches or smaller.
- Can be used with or without a parts basket.

Includes:

13-028 - Air Nozzle

13-029 - Spiral air hose with swivel end fitting



8" dia. MiJET® Kit - Angled Top

Part Number: 8-ANG-34-39

- This is the most popular combination of standalone MiJET® items sold.
- Has mobility to be placed where it is needed.
- Recommended for parts that are 5 inches or smaller.

Includes:

14-8FL-545: 8" dia. MiJET® - Angled Top

13-034: MiJET® Dolly, 5 gal.

13-039: Stainless Steel Parts Basket for 8" dia. MiJET® - Angled Top

8" dia. Hands-Free MiJET® Unit

Part Number: 14-8FL-545-HF

Dimensions: 43.25" H x 14" dia.

Weight: 30 lbs.

- Our newest standalone model, featuring a fixed nozzle for hands-free operation.
- Activated by foot pedal or hand-held nozzle.
- Recommended for parts that are 5 inches or smaller.

Includes:

13-028 - Air Nozzle

13-029 - Spiral air hose with swivel end fitting

13-064 - Foot Pedal



8" dia. Blind Hole MiJET® Unit

Part Number: 14-8FL-545-BH

Dimensions: 38" H x 14" dia.

Weight: 32 lbs.

- Recommended for blind hole parts cleaning.
- Activated by foot pedal or hand-held nozzle.
- Not for use with a parts basket.

Includes:

13-028 - Air Nozzle

13-029 - Spiral air hose with swivel end fitting

13-064 - Foot Pedal



Standalone MiJET® Units

12" dia. Flat Top

Part Number: 15-12SX-20FT

Dimensions: 35" H x 22" dia.

Weight: 62 lbs.

12" dia. Angled Top

Part Number: 15-12SX-20ANG

Dimensions: 40" H x 22" dia.

Weight: 62 lbs.

- These MiJET® models accommodate larger parts, or higher volume runs.
- Recommended for parts that are 10 inches or smaller.
- Can be used with or without a parts basket.

Includes:

13-028 - Air Nozzle

13-029 - Spiral air hose with swivel end fitting

13-067 - High Flow Quick Connect Fitting, Body

13-068 - High Flow Quick Connect Fitting, Plug



12" dia. MiJET® Kit - Angled Top

Part Number: 12-ANG-70-110

- Largest diameter MiJET® kit available.
- Has mobility to be placed where it is needed.
- Recommended for parts that are 10 inches or smaller.

Includes:

15-12SX-20ANG: 12" dia. MiJET® - Angled Top

13-070: MiJET® Drum Dolly, 20 gal.

15-110: Stainless Steel Parts Basket for 12" dia. MiJET® - Angled Top

12" dia. Hands-Free MiJET® Unit

Part Number: 15-12SX-20ANG-HF

Dimensions: 44" H x 22" dia.

- Provides full pressure and volume at the fixed nozzle.
- Recommended for parts that are 10 inches or smaller.
- Can be used with or without a parts basket.

Includes:

13-028 - Air Nozzle

13-029 - Spiral air hose with swivel end fitting

13-064 - Foot Pedal

13-067 - High Flow Quick Connect Fitting, Body

13-068 - High Flow Quick Connect Fitting, Plug



12" dia. Blind Hole MiJET® Unit

Part Number: 15-12SX-20ANG-BH

Dimensions: 40" H x 22" dia.

- Recommended for blind hole parts cleaning of larger parts.
- Activated by foot pedal, or hand-held nozzle.
- Not for use with a parts basket.

Includes:

13-028 - Air Nozzle

13-029 - Spiral air hose with swivel end fitting

13-064 - Foot Pedal

13-067 - High Flow Quick Connect Fitting, Body

13-068 - High Flow Quick Connect Fitting, Plug





8" dia. MiJET® Table

Part Number: 15-08-TBL

Weight: 100 lbs.

Dimensions: 35" H x 24.25" L x 24.25" Depth

- Combines an 8" dia. MiJET® in a convenient cabinet with a butcher block tabletop.

Includes:

14-8FL-545: 8" dia. MiJET® - Angled Top

15-08-1BB: Workstation for 8" dia. MiJET® model - single cutout

8" dia. Workstation

Part Number: 15-08-DEL

Weight: 105 lbs.

Dimensions: 35" H x 24.25" L x 24.25" Depth

- Combines an 8" dia. MiJET® with a parts washing dip container in a convenient cabinet with a butcher block tabletop.
- An all-in-one solution for parts washing, drying, gauging, or inspection stations. Recommended for parts that are 5 inches or smaller.

Includes:

14-8FL-545: 8" dia. MiJET® - Angled Top

15-08-2BB: Workstation for 8" dia. MiJET® model - double cutout

15-100: Dip Container, 2 gal.

15-109: Parts Basket, SS, bent handle - 7.25" OD, Fine Mesh

8" dia. Wash Station

Part Number: 15-08-WSH

Weight: 112 lbs.

Dimensions: 35" H x 24.25" L x 24.25" Depth

- Combines the functionality of washing and drying with an 8" dia. MiJET®, parts washing dip container, and fluid pump for washing parts.
- Includes a pneumatic recirculating fluid pump, fluid filter, Loc-Line nozzle, and flow control. **For water-soluble cleaning fluids only.**
- Convenient for parts washing, drying, gauging, or inspection stations.
- Recommended for parts that are 5 inches or smaller.

Includes:

14-8FL-545: 8" dia. MiJET® - Angled Top

15-08-2BB: Workstation for 8" dia. MiJET® model - double cutout

15-100: Dip container, 2 gal.

15-109: Parts Basket, SS, bent handle - 7.25" OD, Fine Mesh

8" dia. Wash Station with Stainless Steel Dip Container

Part Number: 16-08-WSH-SS

Weight: 116 lbs.

Dimensions: 35" H x 24.25" L x 24.25" Depth

- Rectangular stainless steel lid has built-in fluid spout held open with a pneumatic spring, which closes completely to minimize evaporation. **For water-soluble cleaning fluids only.**
- Includes a pneumatic recirculating fluid pump, fluid filter, Loc-Line nozzle, and flow control.

Includes:

14-8FL-545: 8" dia. MiJET® - Angled Top

15-08-2BB: Workstation for 8" dia. MiJET® model - double cutout

17-022: Rectangular Dip Container with built-in spout, 5.5 gal. container

15-109: Parts Basket, SS, bent handle - 7.25" OD, Fine Mesh





12" dia. MiJET® Table

Part Number: 15-12-TBL

Weight: 129 lbs.

Dimensions: 35" H x 36" L x 24.25" Depth

- Combines a 12" dia. MiJET® in a convenient cabinet with a butcher block tabletop.

Includes:

15-12SX-20ANG: 12" dia. MiJET® - Angled Top

15-12-1BB: Workstation for 12" dia. MiJET® model - single cutout

12" dia. Workstation

Part Number: 15-12-DEL

Weight: 135 lbs.

Dimensions: 35" H x 36" L x 24.25" Depth

- Combines a 12" dia. MiJET® with a parts washing dip container in a convenient cabinet with a butcher block tabletop.
- An all-in-one solution for parts washing, drying, gauging, or inspection stations.
- Recommended for parts that are 10 inches or smaller.

Includes:

15-12SX-20ANG: 12" dia. MiJET® - Angled Top

15-12-2BB: Workstation for 12" dia. MiJET® model - double cutout

15-101: Dip Container, 3.5 gal.

15-107: Parts Basket, SS, bent handle - 10.13" OD, Fine Mesh



12" dia. Wash Station

Part Number: 15-12-WSH

Weight: 142 lbs.

Dimensions: 35" H x 36" L x 24.25" Depth

- Combines the functionality of washing and drying with a 12" dia. MiJET®, parts washing dip container, and fluid pump for washing parts.
- Includes a pneumatic recirculating fluid pump, fluid filter, Loc-Line nozzle, and flow control. **For water-soluble cleaning fluids only.**
- Convenient for parts washing, drying, gauging, or inspection stations.
- Recommended for parts that are 10 inches or smaller.

Includes:

15-12SX-20ANG: 12" dia. MiJET® - Angled Top

15-12-2BB: Workstation for 12" dia. MiJET® model - double cutout

15-101: Dip container, 3.5 gal.

15-107: Parts Basket, SS, bent handle - 10.13" OD, Fine Mesh



12" dia. Wash Station with Stainless Steel Dip Container

Part Number: 16-12-WSH-SS

Weight: 148 lbs.

Dimensions: 35" H x 36" L x 24.25" Depth

- SS lid has built-in fluid spout held open with a pneumatic spring, which closes completely to minimize evaporation. **For water-soluble cleaning fluids only.**

Includes:

15-12SX-20ANG: 12" dia. MiJET® - Angled Top

15-12-2BB: Workstation for 12" dia. MiJET® model - double cutout

16-026: Rectangular Dip Container with built-in spout, 9 gal. container

15-107: Parts Basket, SS, bent handle - 10.13" OD, Fine Mesh





Model 8 Automation Unit

Part Number: 17-8AUTO-8

Dimensions: 15.25" dia. x 35" H

- Can accept a part and gripper up to 7.5 inches in diameter and 7 inches long.
- Has a 360 degree air knife ring and a fan to create suction, pulling all mist and debris down into the unit.
- 5 gal. container
- A 24VDC MiJET[®] solenoid is provided
- Blind hole nozzle included
- Base with bolt-down feet
- Container with a 3/4" clean out port
- Clear cover, customized to part size
- A PLC is required



Model 15 Automation Unit

Part Number: 17-12AUTO-15

Dimensions: 21" dia. x 41" H

This self-contained automation MiJET[®] uses an air knife ring and powerful suction for the removal of chips, fines, and coolant from parts. It has a 360 degree air knife ring and a fan to create suction, pulling all mist and debris down into the unit. It can accept a part and gripper up to 15 inches in diameter and 12 inches long.

- 20 gal. container
- 1-1/4" clean out port
- A 24VDC MiJET[®] solenoid is provided
- Blind hole nozzle included
- Base with bolt-down feet
- Clear cover, customized to part size
- A PLC is required



AUTOMATION INTEGRATION

If considering MiJET® integration, we need to have the following information:

- *What size and shape part or parts will you be cleaning?*
- *What is the maximum diameter of your robot gripper, and can it spin or rotate the part?*
- *What kind of residue needs to be removed?*

Model 8 Wash Automation Unit

Part Number: 17-8AUTO-8-WASH

Dimensions: 16" L x 26" W x 36" H

This is a self-contained cleaning station designed to integrate into an automated cell. It incorporates a MiJET® unit and a stainless steel dip container for cleaning and drying in one convenient location.

Specifications:

- Combines all of the features of the Model 8 Automation unit into a compact space.
- Accepts a part and gripper up to 7.5 inches in diameter and up to 7 inches long.
- An additional 24VDC solenoid is provided to start and stop the fluid pump.
- It requires a PLC and an air line capable of 90 PSI with 100 CFM continuous flow.



Examples of custom MiJET[®] units

CUSTOM APPLICATIONS

We know there are certain applications that require just the right cleaning technique to ensure consistent results. All of these custom MiJET[®] units were produced out of necessity and tailored to the size and/or shape of the part being cleaned.

For new projects, we will evaluate your application in comparison to other units we have produced in the past. If a new MiJET[®] unit is needed, a CAD drawing will be created for your review and approval before manufacturing can begin.

CONSIDERING A CUSTOM MIJET[®]?

If considering custom work, we will need to know some information:

- What size part or parts will be cleaned?
- What kind of residue needs to be removed?
- What kind of material handling is currently in place?

Please give us a call to discuss your application.



P/N: 17-12AUTO-15-1231



P/N: 17-12AUTO-15-5039



P/N: 17-12AUTO-15-5039



P/N: 17-12AUTO-15-2734



P/N: 17-12AUTO-15-2734



P/N: 17-8AUTO-8-DIP-5513

Examples of custom MiJET[®] units



P/N: 16-12SX-RECT-3871



P/N: 15-12-2BB-7142



P/N: 16-12SX-RECT-HF-4251

REQUESTS FROM OUR CUSTOMERS

- Specific height requirements to allow end of arm tool to reach inside the MiJET[®] unit
- Reinforced grates for larger, heavier parts
- Cleaning blind holes or specific areas of a part
- Two dip tanks for multi-step cleaning fluids
- Front opening allowing for robotic arm travel
- Multiple air knives within one MiJET[®] Automation unit



P/N: 17-12AUTO-15-6075



P/N: 17-12AUTO-15-5688



P/N: 14-8FL-545-HF-6815



P/N: 16-12SX-RECT-HF-4251

Rectangular Top MiJET®



Part Number: 16-12SX-RECT

This model is our largest unit and is capable of handling parts up to 20 inches long.

It provides easy access for an operator who needs to clean large larger parts, or batches of parts. The stainless steel grate allows larger parts to be set down during cleaning. This unit is also a great option for an operator who spends the majority of each shift cleaning parts.

Dimensions

Overall dimensions: 22.5" L x 24.5" W x 40.0" H

Inside Dimension: 21.0" L X 14.0" W X 12.0" H

Weight: 79 lb.

Requires an air line capable of 90 PSI with 100 CFM continuous flow.

Includes:

- 13-028: Air Nozzle, OSHA approved
- 13-029: Spiral air hose with swivel end fitting
- 13-067: High-Flow Quick Connect Fitting, Body
- 13-068: High-Flow Quick Connect Fitting, Plug



Replacement Parts



Filter for 8" dia. MiJET®

Part Number: 13-006

Custom MiJET®
Filter for all 8" dia.
models only



Filter for 12" dia. MiJET®

Part Number: 13-041

Custom MiJET®
Filter for all 12" dia.
models only



Air Nozzle

Part Number: 13-028

OSHA compliant



Small Fan

Part Number: 13-019

Fan for 8" dia.
MiJET® models



Large Fan

Part Number: 13-076

Fan for 12" dia.
MiJET® models



Low Noise Air Nozzle

Part Number: 13-035

Generates a powerful,
quiet airflow

OSHA compliant



Container

Part Number: 13-030

Steel with rust-
inhibitor interior

For use with: 8" dia.
MiJET® models only



Drum

Part Number: 13-066

Plastic 20 gal.

For use with: 12"
dia. MiJET® models
only



Container with Bulkhead Drain Port

Part Number: 20-008

Steel with rust-inhibitor
interior, and drain port
bulkhead



O-Ring Kit

Part Number: 13-033

For 8" dia. models

Viton, 70 durometer



O-Ring Kit

Part Number: 13-079

For 12" dia. models:

Viton, 70 durometer



T-Handle

Part Number: 13-032

Nylon with

Aluminum insert



Motor/valve

Subassembly for 8" dia. Models

- Please contact your Distributor
- Have MiJET® serial number available



Motor/valve

Subassembly for 12" dia. Models

- Please contact your Distributor
- Have MiJET® serial number available



Spiral Air Hose

Part Number: 13-029

Spiral air hose with
swivel end fitting



Valve

Subassembly for 8" dia. Models

- Please contact your Distributor
- Have MiJET® serial number available



Valve Subassembly for 12" dia. Models

- Please contact your Distributor
- Have MiJET® serial number available



Fluid Filter

Replacement

Part Number: 17-004

Replacement filter
for Wash Stations

Accessories for 8" dia. MiJET[®]



8" dia. Single Handle Parts Basket

Part Number: 13-039

Fine mesh stainless steel, single handle basket

For use with: 8" dia. MiJET[®], Angled model: 14-8FL-545



8" dia. Station Parts Basket

Part Number: 15-109

Fine mesh stainless steel, bent handle basket to use inside the dip containers

For use with: 8" dia. MiJET[®], Workstations, and Wash Stations



8" dia. Double Handle Parts Basket

Part Number: 13-036

Fine mesh stainless steel, double handle basket

For use with: 8" dia. MiJET[®], Flat top model 14-8FL-5S



8" dia. Basket Liner

Part Number: 13-038

Non-metallic basket liner to keep soft parts from getting damaged

For use with: Insert for 8" dia. stainless steel parts baskets



High-Flow Quick Connect Fitting, Body

Part Number: 13-057

Quick connect allows more air volume into the unit

For use with: 8" dia. MiJET[®] models only



High-Flow Quick Connect Fitting, Plug

Part Number: 13-058

Quick connect allows more air volume into the unit

For use with: 8" dia. MiJET[®] models only



8" Air Deflector

Part Number: 13-044

Insert creates an additional backsplash to capture excess debris

For use with: 8" dia. MiJET[®] models only



8" Dolly

Part Number: 13-034

Has 5 wheels with 2 locking wheels to make MiJET[®] mobile

For use with: 8" dia. MiJET[®] models only

Accessories for 12" dia. MiJET[®]



12" dia. Parts Basket

Part Number: 15-110

Fine mesh stainless steel,
single handle basket

For use with: 12" dia. MiJET[®],
Angled model: 15-12SX-20ANG



12" dia. Station Parts Basket

Part Number: 15-107

Fine mesh stainless steel, bent
handle basket

For use with: 12" dia. MiJET[®]
Workstations, and Wash Stations



12" dia. Double Handle Parts Basket

Part Number: 15-105

Fine mesh stainless steel,
double handle basket

For use with: 12" dia. MiJET[®], Flat
top model 15-12SX-20FT



12" dia. Basket Liner

Part Number: 15-104

Non-metallic basket liner to keep soft
parts from getting damaged. Used as
an insert for SS baskets.

For use with: 12" dia. MiJET[®] models
only



High-Flow Quick Connect Fitting, Body

Part Number: 13-067

Quick connect allows more air
volume into the unit

For use with: 12" dia. MiJET[®]
models only



High-Flow Quick Connect Fitting, Plug

Part Number: 13-068

Quick connect allows more air
volume into the unit

For use with: 12" dia. MiJET[®]
models only



MiJET[®] Drum Dolly, 20 gal.

Part Number: 13-070

Has 4 wheels with 2 locking
wheels to make MiJET[®] mobile

For use with: 12" dia. MiJET[®]
models only



MiJET[®] Drum Base, 20 gal.

Part Number: 20-006

Stable base for Automation
units

For use with: 17-12AUTO-15

MiJET[®] is proudly manufactured by:

Custom Service Solutions, Inc.

1900 Transit Way

Brockport, NY 14420

"The MiJET[®] units have worked great for us.

Our shop is much cleaner around our solvent stations now.

*Plus we also are able to save and reuse the solvent [and lubricants]
from the units."*

-Tom Wingstedt

Don't forget to check us out online:

