



CLEAN PARTS • CLEAN SHOP



NEW  
INNOVATIONS  
SOLVING  
SHOP  
PROBLEMS



PROUDLY MADE  
IN THE USA



## SERVING INDUSTRY FOR OVER 16 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.



*Paul Guglielmi,  
President*



*Diana Petranek,  
VP of Operations*



*Jeff Gagnon,  
VP of Sales*

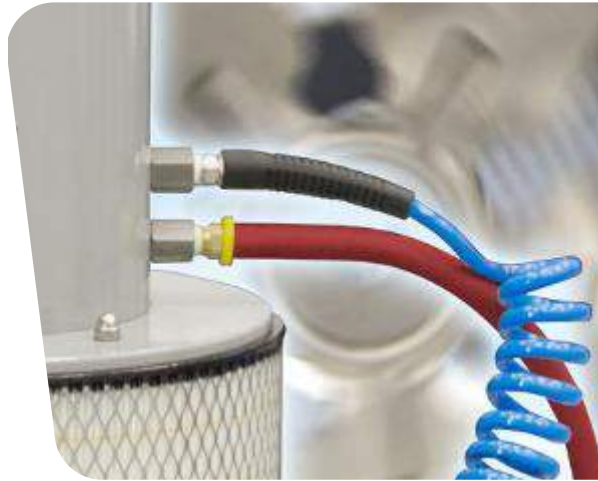
## DEDICATION TO CUSTOMER SERVICE

Our knowledgeable sales team is available to offer advice, answer questions, and provide you with comprehensive solutions. Providing high quality products with exceptional customer satisfaction is important to us.

## NETWORK OF AUTHORIZED DISTRIBUTORS

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

Please visit our website at [www.mijet.com](http://www.mijet.com) to see a list of our distributors.



Ergonomically  
designed  
backsplash for ease

## DO YOU USE COMPRESSED AIR TO CLEAN PARTS?

### MiJET® UNITS ARE KEEPING SHOPS CLEAN AROUND THE GLOBE

1/4" FNPT fitting  
connection



Coalescing filter  
allows oil to drip  
into container



Two tabs  
for easy  
removal



#### 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.

#### 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

# 8" dia. MiJET® Units

## Standalone MiJET® Units



### 8" dia. Angled Top

Part Number: 14-8FL-545  
 Dimensions: 38.0" H x 14" dia.  
 Weight: 28 lbs.

### 8" dia. Flat Top

Part Number: 14-8FL-5S  
 Dimensions: 34" 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: 38.0" 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. 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. Flat Top

Part Number: 15-12SX-20FT

Dimensions: 35" H x 22" dia.

## 12" dia. MiJET® Units



### 12" dia. MiJET® Kit - Angled Top

Part Number: 12-ANG-70-110

- Everything is included in this kit to begin cleaning.
- 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

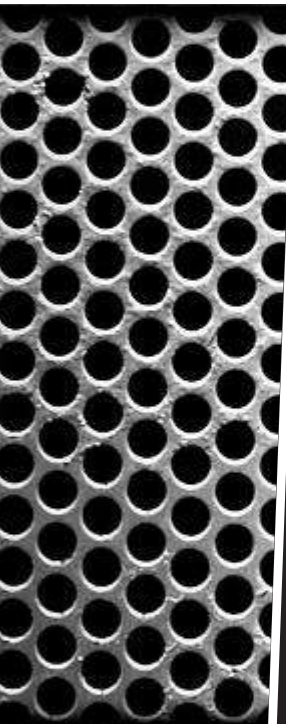
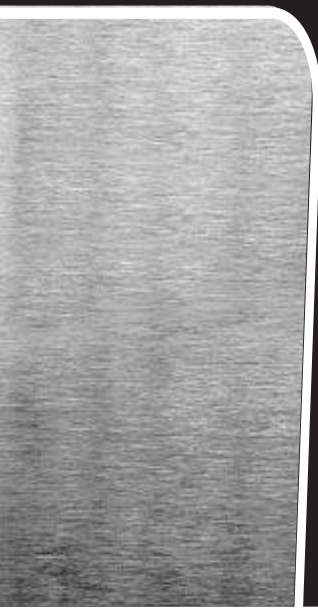
13-029 - Spiral air hose with swivel end fitting

13-064 - Foot Pedal

13-067 - High Flow Quick Connect Fitting, Body

13-068 - High Flow Quick Connect Fitting, Plug





## DO YOU HAVE AN AUTOMATED CELL?

Easily integrated into a new or existing cell for automated applications.

A robot moves the part through a 360 degree air knife inside the MiJET®. This action removes excess coolant and debris.

MiJET® can help keep the automated cell cleaner, and get your product ready for gauging or shipping!

If considering MiJET® integration, it would be helpful for us to have the following information:

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

Model 8 Automation Unit incorporated into a table for cleaning within an automated cell

See page 7 for details.

### Model 8 Automation Unit

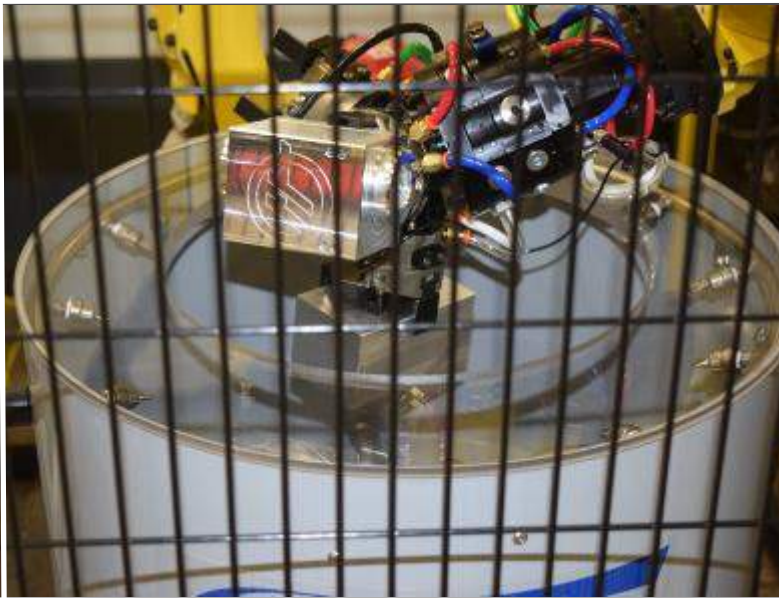
Part Number: 17-8AUTO-8

The smaller of the two automation units, shown in the picture above (left) for comparison.

- Overall dimensions: 15.25" diameter x 35" height
- Can accept a part and gripper up to 8 inches in diameter and 7 inches long
- 5 gal. container
- 3/4" clean out port



# AUTOMATION INTEGRATION



## Automation Units

This self-contained automation MiJET® uses an air knife ring and powerful suction for the removal of chips, fines, and coolant from parts.

- Has a 360 degree air knife ring and a fan to create suction, pulling all mist and debris down into the unit.
- A 24VDC MiJET® solenoid is provided
- Blind hole nozzle included
- Base with bolt-down feet
- Container with a clean out port
- Clear cover, customized to part size
- A PLC is required



### **Model 15 Automation Unit**

Part Number: 17-12AUTO-15

Shown in a working cell above

- Overall dimensions: 21" diameter x 41" height
- Can accept a part and gripper up to 15 inches in diameter and 15 inches long
- 20 gal. container
- 1-1/4" clean out port

### **Model 8 Wash Automation Unit**

Part Number: 17-8AUTO-8-WASH

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

- Overall dimensions: 16" L x 26" W x 36" height
- Combines all of the features of the Model 8 Automation unit into a compact space.
- It can accept a part and gripper up to 8 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.



# Custom MiJET<sup>®</sup> Projects



## CUSTOM PROJECTS

We know there are certain applications that require just the right cleaning technique to ensure consistent results. We have modified almost every product in the MiJET<sup>®</sup> family to meet the needs of our customers. Our engineers work hard to facilitate custom cleaning applications and we are happy to work with you on projects.

## CONSIDERING A CUSTOM MIJET<sup>®</sup>?

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.

## EXAMPLES OF COMPLETED CUSTOM WORK

- MiJET<sup>®</sup> with custom opening to accept parts (left image)
- MiJET<sup>®</sup> with a larger rectangular opening (middle image)
- Custom Workstation with large Dip Container (middle image)
- MiJET<sup>®</sup> which allows cylindrical rods to pass through for cleaning (right image)





## Workstations

- Combines a MiJET® unit with a parts washing dip container in a convenient cabinet and a butcher block tabletop.
- An all-in-one solution for parts washing, drying, gauging, or inspection stations.
- 8" dia. Models—Recommended for parts that are 5 inches or smaller
- 12" dia. Models—Recommended for parts that are 10 inches or smaller

### All Workstation Models Include:

MiJET® - Angled Top  
 Table with either single or double cut-out  
 Parts Basket, Stainless Steel, bent handle  
 Dip container, Red Steel with fusible link

## MiJET® Tables

Provides ample workspace

Butcher block table top with 8" or 12" dia. MiJET®

Part Number: 15-08-TBL

Part Number: 15-12-TBL

Table dimensions:

Table dimensions:

8" dia. MiJET® table—35" H  
 x 24.25" L x 24.25" Depth

12" dia. MiJET® table—35"  
 H x 36" L x 24.25" Depth

Weight: 105 lbs.

Weight: 129 lbs.



### 8" dia. Workstation

Part Number: 15-08-DEL

Dip container, 2.0 gal.

Table dimensions:

35" H x 24.25" L x 24.25" Depth

Weight: 105 lbs.

### 12" dia. Workstation

Part Number: 15-12-DEL

Dip container, 3.5 gal.

Table dimensions: 35" H x

36" L x 24.25" Depth

Weight: 135 lbs.



## Wash Stations

- Combines the functionality of washing and drying with a MiJET® unit inside a table.
- Includes a pneumatic recirculating fluid pump, fluid filter, Loc-Line nozzle, and flow control.
- Convenient for parts washing, drying, gauging, or inspection stations.
- 8" dia. Models—Recommended for parts that are 5 inches or smaller
- 12" dia. Models—Recommended for parts that are 10 inches or smaller

### All Wash Station Models Include:

MiJET® - Angled Top  
 Table with a double cutout  
 Parts Basket, Stainless Steel, bent handle  
 Dip container, see choices below:  
 Option #1, Dip container, Red Steel with fusible link  
 Option #2, Dip container, Stainless Steel



### 8" dia. Wash Station

Part Number:

15-08-WSH

Dip container, 2.0 gal.

Table dimensions:

35" H x 24.25" L x 24.25"

Depth

Weight: 112 lbs.

### 12" dia. Wash Station

Part Number:

15-12-WSH

Dip container, 3.5 gal.

Table dimensions:

35" H x 36" L x 24.25"

Depth

Weight: 142 lbs.



### 8" dia. Wash Station

Part Number:

16-08-WSH-SS

Dip container, 5.5 gal.

Table dimensions:

35" H x 24.25" L x 24.25"

Depth

Weight: 132 lbs.

### 12" dia. Wash Station

Part Number:

16-12-WSH-SS

Dip container, 9.0 gal.

Table dimensions:

35" H x 36" L x 24.25"

Depth

Weight: 148 lbs.



# 8" dia. MiJET<sup>®</sup> Accessories



## 8" dia. Single Handle Parts Basket

Part Number: 13-039

Fine mesh stainless steel, single handle basket

For use with: 8" dia. MiJET<sup>®</sup>, Angled model: 14-8FL-545



## 8" dia. Double Handle Parts Basket

Part Number: 13-036

Fine mesh stainless steel, double handle basket

For use with: 8" dia. MiJET<sup>®</sup>, Flat top model 14-8FL-5S



## 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<sup>®</sup> Standalone, Workstations, and Wash Stations



## High-Flow Quick Connect Fitting, Body

Part Number: 13-057

Quick connect allows more air volume into the unit

Recommended for use with: 8" dia. MiJET<sup>®</sup> models only



## High-Flow Quick Connect Fitting, Plug

Part Number: 13-058

Quick connect allows more air volume into the unit

Recommended for use with: 8" dia. MiJET<sup>®</sup> models only



## 8" dia. MiJET<sup>®</sup> units



## 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. SS baskets



## MiJET<sup>®</sup> Dolly, 5 gal.

Part Number: 13-034

Has 5 wheels with 2 locking wheels to make MiJET<sup>®</sup> mobile

For use with: 8" dia. MiJET<sup>®</sup> models only



## 8" dia. Air Deflector

Part Number: 13-044

Insert creates an additional backsplash to capture excess debris

For use with: 8" dia. MiJET<sup>®</sup> models only

# 12" dia. MiJET® Accessories



**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. 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. Station Parts Basket**  
Part Number: 15-107

Fine mesh stainless steel, bent  
handle basket

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



**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



**12" dia. MiJET® unit  
shown as a kit**



**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



**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

# Replacement Parts

## For 8" dia. MiJET® units



**Filter for 8" dia. MiJET®**  
Part Number: 13-006  
Custom MiJET® Filter for 8" dia. models only



**Container**  
Part Number: 13-030  
Steel with rust-inhibitor interior  
For use with: 8" dia. MiJET® models only



**Small Fan**  
Part Number: 13-019  
Fan for 8" dia. MiJET® models

## For 12" dia. MiJET® units



**Filter for 12" dia. MiJET®**  
Part Number: 13-041  
Custom MiJET® Filter for 12" dia. models only



**Drum**  
Part Number: 13-066  
Plastic 20 gal., Black  
For use with: 12" dia. MiJET® models only



**Large Fan**  
Part Number: 13-076  
Fan for 12" dia. MiJET® models

## Universal Parts



**Air Nozzle**  
Part Number: 13-028  
OSHA compliant



**Low Noise Air Nozzle**  
Part Number: 13-035  
Generates a powerful, quiet airflow  
OSHA compliant



**Spiral Air Hose**  
Part Number: 13-029  
Spiral air hose with swivel end fitting



**T-Handle**  
Part Number: 13-032  
Nylon with Aluminum insert



**O-Ring Kit**  
Part Number for 8" dia. models: 13-033  
Part Number for 12" dia. models: 13-079  
Viton, 70 durometer



**Fluid Filter Replacement**  
Part Number: 17-004  
Replacement filter for Wash Stations



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