

UNDER ONE ROOF



**MC MACHINERY
SYSTEMS, INC.**

a subsidiary of  Mitsubishi Corporation

Universal & High Speed Machining Centers

- MILLING VMC 3 & 5-AXIS
- GRAPHITE MILL 3 & 5-AXIS
- HSM 3 & 5-AXIS
- HSM LINEAR MOTORS



WSM TECHNOLOGY INC.
Your local dealer for MC Machinery/Mitsubishi

 **MITSUBISHI
ELECTRIC**

MORE TECHNOLOGIES MORE POSSIBILITIES MORE COMMITMENTS



■ LATHE / MILL TURN
/ MULTI TURRET



■ MILLING
VMC



■ UNIVERSAL
5-AXIS



■ WIRE EDM
MACHINE



■ EDM DIE
SINKING



■ HSM LINEAR
MOTOR



■ HSM 5-AXIS

DID YOU KNOW THAT ?



MC Machinery's brand new facility in Chicago - 180,000 SQ FT.

- Mitsubishi Electric helps the US economy with more innovative solutions and jobs than any other machine tool builder.

Global Revenue over \$40 Billion
100,000 Employees
45 Companies



- MC Machinery, Inc. is a subsidiary of Mitsubishi Electric. Since 1972, MC Machinery has installed and still supports more than

13,000 EDM Machines
in the USA

MC MACHINERY
SYSTEMS, INC.

a subsidiary of  Mitsubishi Corporation
MAC FUNDING CORPORATION



Consumable Products Group
MC Machinery Systems, Inc.

- MC Machinery, Inc. is redefining its customer-supplier purpose by offering more new technologies, services and expertise under one roof to be
a Better Partner in your Growth



We bought our first Mitsubishi machine, a MV2400-S wire EDM in 2014. It has been a fantastic addition to our shop and exceeded our expectations. We therefore trusted WSM and Mitsubishi 1 year later when we purchased a new DM800G Hard Mill/Graphite Mill. The machine accuracy has been excellent! We have logged over 3,600 hrs of electrode cutting in 3 years. In 2016 we purchased a DV1000 with 15,000 rpm spindle and followed that up with a second DV1000 in 2017. They really are a complete machine tool supplier.

Mr. Joe Flach (G.M.)

- Service and Training
232 Technical
Support Staff



- Mitsubishi's Entire CNC System is the only to come with a full
3 Year Warranty*

*MC Mills and Lathes only



MORE UNIVERSAL MACHINES

LINE OF MACHINING CENTERS

LINEAR WAYS

- **MCV**
Linear Ways XYZ
CAT 40 Big+ 8,000 / 12,000 rpm

7 MODELS

ROLLER WAYS

- **DV**
Roller Ways XYZ
CAT 40 Big+ 12,000 / 15,000 rpm

6 MODELS

BOX WAYS

- **BV**
Box Ways XYZ
CAT 50 Big+ 6,000 / 10,000 rpm

6 MODELS

HYBRID

- **MCV B**
Linear Ways XY, Box Ways Z
CAT 50 Big+ 8,000 / 12,000 rpm

4 MODELS

HIGH SPEED LINEAR WAYS

- **TV MILL, DRILL & TAP**
High Speed Linear Ways XYZ
BT 30 Big+ 12,000 / 20,000 / 24,000 rpm, Opt. Pallet Changer

2 MODELS

HIGH SPEED & 5-AXIS

HIGH SPEED

- **DM**
High Speed Mill / Graphite Mill
HSK 20,000 / 24,000 rpm

6 MODELS

5-AXIS

- **MC**
Trunnion Table / Heidenhain Control
CAT 40 Big+ 12,000 / 15,000 / HSK 20,000 / 24,000 rpm

4 MODELS



TV HIGH SPEED MILL, DRILL & TAP



DV1000 4140 STEEL 30 RC.
DEEP SLOT

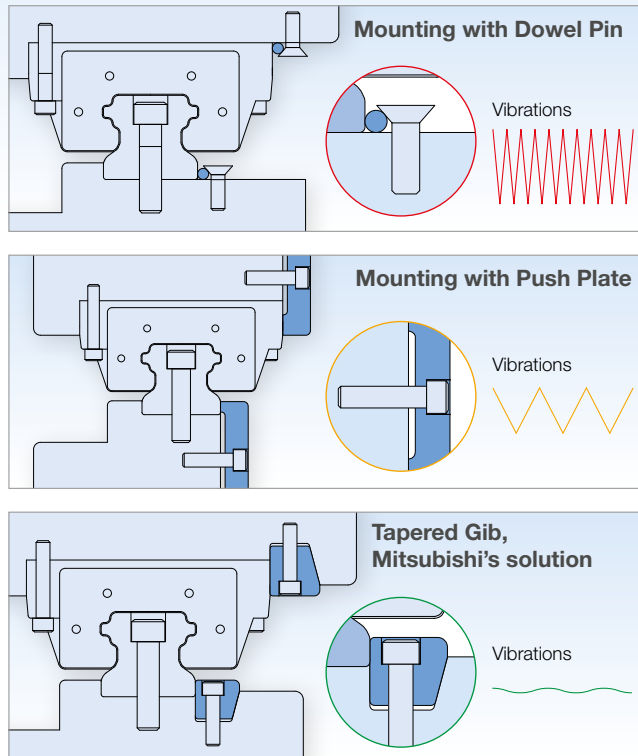


DM1000 HARDEN D2 60RC.

Less Vibrations

- **Better Finishes & Accuracy**
- **Longer Tool Life & Spindle Life**

Our ways and guide packs are mounted using a wedge. This is the sturdiest and most rigid design. The best solution for dramatically less vibrations.



High Performance Mitsubishi CNC's STD Features

- **15" to 19" Touchscreen** and **32Gb to 64Gb Memory**
- **NAVI Conversational** Icons Driven to quickly go from CAD to toolpath to chips
- Modern functions such as Pinch In/Out, Drag & Program Edit are made easy with our **64 Bit Processor**
- Proprietary **H.S.H.A.** Machining Mode 3 and **S.S.S.-4G** processing info at **135 to 270KBM** to optimize Surface Finish and Accuracy
- **1,350 to 2,700 Block Look Ahead**

$$\mu = \$\$\$$$

"Always remember that when you decide of accuracy tolerances, tight tolerance might be necessary, but they will ALWAYS BE COSTLY".

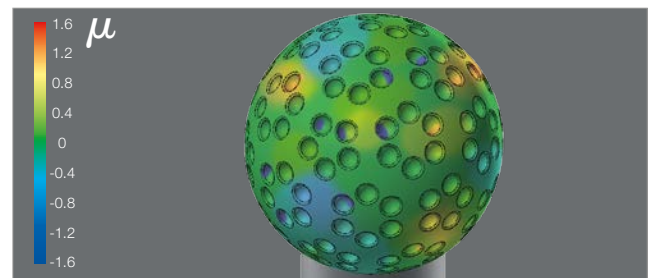
Swiss Professor of Blaise Buholzer, Owner of WSM Technology, Inc

■ The Simple Rule Goes as follow:

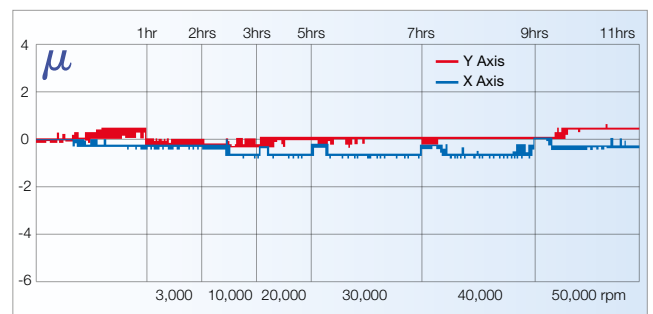
1. 0.1 mm = \$10
2. Same part with 0.01 mm tolerance = \$100
3. Same part with 0.001 mm tolerance = \$1,000

Ultimate Volumetric Accuracy Capability

Eagle V9 5-AXIS Simultaneous Cutting XYZ
Blue Light Inspection Deviation Map



Roku-Roku Android Dynamic XY Axis Deviation



Precision 24/7

With accurate and predictable processes, optimize your next HSM Center's productivity with an automation solution using a Mitsubishi Robot or OPS-INGERSOLL single source fully integrated pallet/electrode changer.

Integrated solutions from EROWA and System 3R are also available in many configurations.



V9 5 AXIS MACHINING OF BALL WITH DIMPLES

MORE PRECISION

3-AXIS

ROKU-ROKU

■ ANDROID

Linear Motors - XYZ Axis
Hard Milling - Jig Grinding
HSK 60,000 rpm

1 MODEL



1 μ

3 OR FULL 5-AXIS

OPS-INGERSOLL

■ EAGLE V5

Hard Milling and/or Graphite
HSK 36,000/42,000 rpm

2 MODELS



2 μ

3-AXIS

ROKU-ROKU

■ VS-652

Hard Milling - Jig Grinding - Graphite
20 HP/30,000 rpm Spindle to Cut Carbide Tungsten
HSK 30,000/32,000/36,000/40,000/60,000 rpm

11 MODELS



3 μ

5-AXIS DOUBLE BALL SCREWS

OPS-INGERSOLL

■ EAGLE V9

Bridge Mill
Hard Milling and/or Graphite
HSK 36,000/42,000 rpm

2 MODELS



4 μ

3-AXIS

MC MACHINERY

■ DM-GR

Hard Milling and/or Graphite
Glass Scales/Thermal Compensation
HSK 24,000 rpm

2 MODELS



5 μ



5-AXIS MACHINING CENTERS



ELECTRODE MANUFACTURING

IF ...

- You are a Mitsubishi EDM user who has experienced our total commitment to customer satisfaction
- You need a CNC lathe or a machining center, don't settle for less
- Machining high precision parts is important to your business
- You just learned about our new manufacturing technologies

...contact us



Your local dealer for MC Machinery/Mitsubishi

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www.wsmtechnology.com



MC MACHINERY SYSTEMS, INC.

a subsidiary of  Mitsubishi Corporation

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www.onysa.ch - Edition 1 804

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