

PRECISION IS IN OUR DNA

- MICRO HOLE DRILLING
- 3D MICRO EDM MILLING
- JIG GRINDING
- TURN / GRIND
- HA WIRE EDM
- HA DIE SINKING
- HA 5-AXIS HSM
- HA 3-AXIS HSM

 **MITSUBISHI EDM**

CHETO
CNC DEEP HOLE DRILLING WITH MILLING

OPS **INGERSOLL**
Fly with the eagle!

SARIX
3D Micro EDM Milling

TITAN
INTERNATIONAL SALES

SCHAUBLIN
MACHINES SA

MC MACHINERY
SYSTEMS, INC.
a subsidiary of Mitsubishi Corporation

ROKU-ROKU

 **JINGDIAO**

Need a test?

330-962-8308

sales@wsntechnology.com

WSM  **TECHNOLOGY INC.**

YOUR DEALER FOR MILLING - EDM - TURNING
AND HIGH ACCURACY MANUFACTURING SOLUTIONS

High Accuracy 5-Axis

Jingdiao GRA400



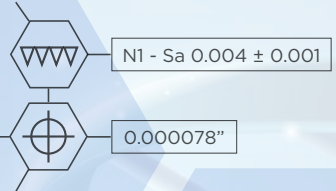
Micron Cutting Testing Piece

Name	Micron Cutting Testing Piece	
Machine	JDGR200_A10SH	
Material	STAVAX (HRC50)	
Dimension	75x30x40 mm	
Finishing Cutter	D2R1(PCD Cutter)	Finishing Time 12h45min



Typical Points: 1. 0.1μ feeding, 1μ cutting, micron cutting control.
2. 'Clear' scan, the height difference between each section is 0.001 mm.
3. High roughness, the surface roughness is less than 0.005 μm.

Testing Report								
Measured Position	1	2	3	4	5	6	7	8
Actual Roughness Sa(μm)	0.004	0.005	0.003	0.004	0.005	0.004	0.004	0.005
Measuring Device	ZYGO White Light Interferometer							



Micro Hard Milling Jig Grinding

Roku-Roku Android II Linear Motor

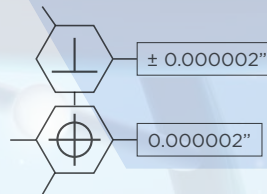


- Thermo Stabilization of: Spindle - Bridge Casting - Ball Screws - Rotary and Tilt Table
- Sub Micron Glass Scales
- Program Increment 0.000001"
- Positioning Accuracy Full Travels XYZ 0.000078"
- Repeatability 0.0000703"
- Integrated on Machine Inspection/Correction Capabilities
- Spindle 24,000 rpm/OPT 20,000 rpm

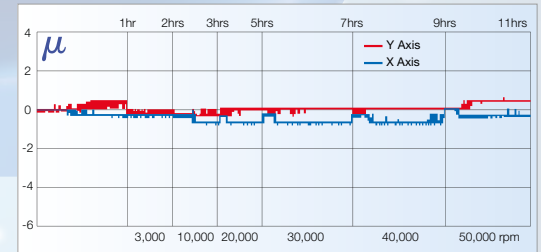
- Direct Hard Milling of Tungsten Carbide with surface finish down to 0.2 Ra Micro"
- Positioning Accuracy X-Axis ± 0.00002"
- Positioning Accuracy Y & Z-axis ± 0.000016"
- Repeatability ± 0.0000039"
- 16 ThermoSensor Active Monitoring System
- Spindle 60,000 rpm/OPT 150,000 rpm

High Accuracy Graphite/Hard Milling

OPS Ingersoll Eagle V9



Roku-Roku Android Dynamic XY Axis Deviation



- SD Tol ± 0.0002"
- Positioning Accuracy XYZ 0.000197"
- Repeatability 0.00008"
- Dual Ballscrews in X & Y
- 10 ThermoSensor Active Monitoring System
- Optimized Motion System for Highest Dynamics
- Spindle 36,000 rpm/OPT 42k, 26k, 18k

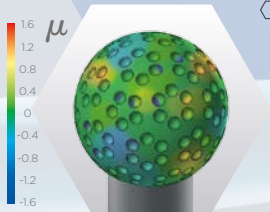


Turning & Grinding Center

Schaublin 202 TG



- Spindle Runout 0.00007"
- Min program increment .0000039"
- Positioning YZ 0.000020"
- Repeatability 0.000008"
- C-Axis Index ± 1 arc sec.
- Main Spindle 7,000 rpm
- Grinding Spindle 25,000 or 60,000 rpm



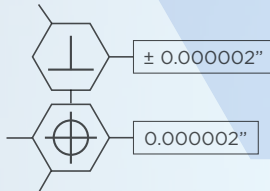
3D Micro EDM Milling Micro Die Sinking Micro Deep Hole Drilling

Sarix SX100-hpm



Arianne Integrated Electrode Dressing Unit

- Electrode as small as 0.001" Ø
- OPT Integrated Electrode Dressing/Redressing of any geometrical shape with OPT C-axis
- Straightness .00002"
- Steel Ø/depth ratio 30
- Carbide Ø/depth ratio 150-200
- Surface finish down to 2 Ra Micro inch
- Smallest Spark Generated by new PULSAR GENERATOR .0001"
- EDM Mill 2.5 and 3D with auto wear compensation

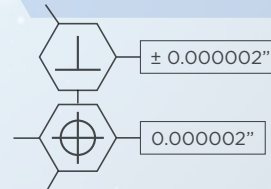


High Accuracy Wire EDM

Mitsubishi MX600



- Nano DFS Power Supply for surface finish down to 1.4 Ra Micro"
- Nano Precision Linear Shaft Motors with 0.000000 Wear and 0.00000 Backlash
- Auto Thread .002" wire/OPT .001" & .0008"
- Thermal Buster Temperature Stability System with Isolation and Fluid Temperature Control of Critical areas
- Sub Micron Movement Assembly Specifications Perpendicularity - Yaw - Pitch

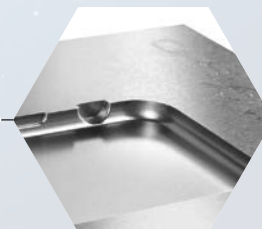
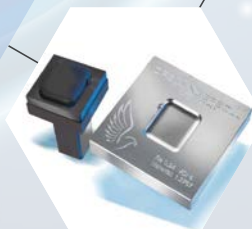
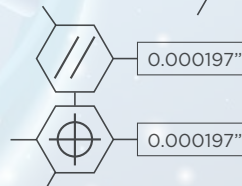


High Accuracy Die Sinking

OPS Ingersoll Eagle G5 Precision



- Thermo stabilized casting/Z axis/Dielectric
- Dielectric tank to Ambient Temperature
- Positioning Accuracy 0.000197"
- Repeatability 0.00008"
- Multi-cavity Part Accuracy 0.000197"
- Near Zero Electrode Wear at 22 VDI Finish
- Surface Finish down to 7 VDI, 9 Ra Micro"
- Fully Enclosed Machining Area



Area: 1,300 mm²



If

- You need a more accurate CNC lathe or high speed machining center...
- Machining high precision parts is critical to your business...
- You are an EDM user looking for better value, more performance and customer support second to none...
- You just learned about our new manufacturing technologies...

call us!

MORE TECHNOLOGIES MORE POSSIBILITIES MORE COMMITMENTS



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