

SARIX

3D MICRO EDM MACHINING

SARIX.COM 

SX30-*pm* Simplified Digital Control

Over 30 years of Micro EDM Expertise and innovation

High Speed Micro EDM Drilling machine

Compact - Powerful - Digitally integrated and affordable
Precision, speed & reliability

Ø 0.05 to Ø 3.0 mm



SMALL FOOTPRINT - ABSOLUTE HIGH PRECISION

- Quick, precise and repeatable electrode setup – easy maintenance access
- Ergonomic intuitive HMI interface - smooth dashboard displays operation

Precision Without Defect

- High speed start hole drilling without deviation
- Perfect hole roundness and high surface finishing
- No recast layer, cracks or heat-affected zone
- Burr-free hole entry/exit - no secondary finishing required

Performance Without limits

- Tight diameter tolerance control down to $\pm 2 \mu\text{m}$
- Hole position repeatability down to $\pm 1 \mu\text{m}$
- Deep hole drilling with high aspect ratio
- High-speed drilling at any entry angle
- Unlimited hole sequence production

AUTOMOTIVE



MICRO MECHANIC



AEROSPACE



MICRO MOLDING



MEDICALE



TEXTILE



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SMART CNC CONTROLLER
READY FOR AUTOMATED MACHINING

STANDARD CONFIGURATION Powered by **SX-PS** Generator to Optimize your Productivity

SX-HMI New BASIC interactive

- Intuitive Touchscreen Interface and Easy wizard programming
- Ergonomic HMI layout for faster operation
- Advanced **BASIC** Macro control and setup overview
- DXF integration for start-hole patterns and function fully optimized **SHD Step Hole Drilling**
- **SX-ICON Editor** - advanced programming -
- **SX-KBS Micro EDM Knowledge Base Technology software**
- **SX-CNC Build - ICON Editor & KBS Software**: free punctual updates

SX-SDS Digital maintenance service integrated

- On-Board preventive maintenance assistance, guiding operators and maintenance teams to ensure optimal performance while reducing operating costs
- Interactive PDF manuals and spare parts references

ROTATING Electrode spindle

- **SX-ROT** Manual electrode clamping spindle with collet SP02/SP03 or
- **SX-A-344** Automatic electrode refeeding spindle with collet SP06/SP12/SP-MDC Multiple diameter range

SX-DA Unit & filtering (80L)

- Deionized water (DI) or Dielectric Oil
 - Basic table and submerged working tank
 - 70 bar high pressure flushing through tube and coreless electrode
- Recommended on Dielectric Oil use: Fire Extinguishing System*
Available on request: Water cooling chiller - High capacity filtering

TECHNICAL SPECIFICATIONS

TRAVEL AXIS (mm)	X= 300 / Y=200 / Z= 400 / W=400 <i>Option</i> X & Y axis $\pm 3 \mu\text{m}$ position accuracy - X axis = 500 mm
TABLE SIZE	L= 510 / l= 270 load of 50 kg
POWER SUPPLY	230 V - 1 Ph / 50 Hz / Power 3 kVA
AIR PRESSURE	6 bar - dry line
DIMENSIONS (mm)	Footprint: 2.5 m ² , L= 900, l~ 1'100, h= 2'200 h max~ 2'700, weight ~ 1'000 kg

OPTIONS to suit your requirements

- **SX-MFPS** Micro Fine Pulse Shape **PULSAR®** generator
- **SX-UFPS** Ultra Fine Pulse Shape **PULSAR®** generator
- **SX-PL** Planetary orbital software X-Y or X-Y-Z multi-axis
- **SX-MDH** Micro Deep Hole drilling device, hole \varnothing 100 μm , depth to diameter ratio 150:1
- **SX-SP12 collet holder** for SP02/ SP03/ SP11...
- **SX-SP12-AC** SP12 collet Auto Changer, w/ or w/o guide holder changer
- **SX-R-AB** Rotary A/B Axis - A: $\pm 115^\circ$, B: 360° - direct axis control
- **CELL AUTOMATION** continuous production for medium/large series

READY TO TEST YOUR APPLICATION

Contact us for a Demo and a Micro Drilling Test
www.sarix.com contact@sarix.com



Specifications may change to suit our customers' needs.

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