

**SX200-hpm**  
**SX200-aero\***  
 6-8 axis Micro EDM  
 drilling and Milling



**SX200 - hpm**  
**SX200 - aero**

**TECHNICAL  
 SPECIFICATIONS**

<b>TRAVEL AXIS</b>	X = 350, Y = 200, Z = 150 mm W* = 400 mm
<b>POSITIONING PRECISION</b>	± 2.0 µm, Resolution = 0.1 µm
<b>AXIS FEED RATE</b>	X-Y-Z- W* = 1200 mm/min ,
<b>TABLE SIZE and LOAD</b>	L = 700, d = 300 mm load of ~50 kg
<b>DIMENSIONS</b>	L = 1600, d = 2200, h = 2300 mm Weight = 1600 kg
<b>POWER SUPPLY</b>	400 V- 3 Ph / 50 Hz Power 2 KVA
<b>DIELECTRIC UNIT</b>	Deionized water or oil dielectric unit SX-DA capacity 25 ltr - 115 ltr*
<b>HIGH PRESSURE FLUSHING</b>	70 bar through electrode tube

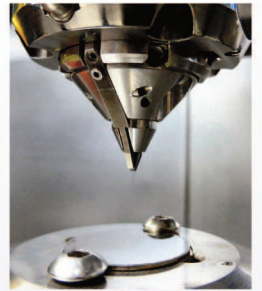
\* **SX200 AERO MACHINE CONFIGURATION**  
**INDEXING and TILTING AXIS** A = -15°/+115°, B = 360°  
**AXIS FEED RATE** A/B = 15°/sec  
**A/B LOAD** ~ 8 kg

**Repeatability below one micron**

The latest SARIX precision electrode collet, **SP12**, assures a slack-free and repeatable holding of the electrode of 30 micron.

In production the achievable runout of the electrode is less than **1 micron** and remains constant even when the collet is changed or the electrode is re-feed within the collet.

The collet design integrates the possibility to easily adjust the eccentricity of the electrode position and the axial tilt of the electrode.



**SP12** High precision collet

**New precision manual guide holder device**

Even if the automation capabilities of the machine tools are increasing continuously, high precision manual setup systems are still highly required for medium and low volume production cases.

The latest manual guide holder offers user-friendly height guide positioning from top to bottom of the work piece keeping the perfect centering setup.

The integrated retractable device leaves the quick access for the operator of the working area and the work piece under the guide holder.



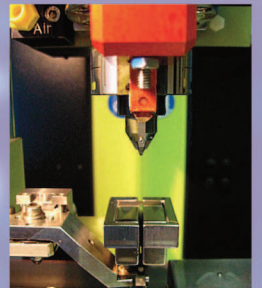
**PG-S-M** manual height adjustable guide holder

**Deeper and highly precise**

The best high precision deep hole drilling technology for the extreme deepest and smallest hole. Perfect deep hole drilling motion control specially developed for the carbide drilling needs.

The astonishing results obtained by the combination of a "play free" guide reaching ratio up to 150 times depth/diameter. Example: **hole 0.10 mm +/- 5 micron to 15 mm.**

Micro EDM pulses controlled by the SX-MPS and SX-MFPS generator combined with a non contact electrode guiding.



**SX-MDH** high precision deep hole drilling device

**User friendly control panel**

The new PULSAR machines integrates now the high quality 12" color touch screen in an ergonomic and adjustable command panel.

The user friendly overview covers the machining process operation.

Maintenance control and machine status are displayed on several part windows Log-file and part program machining log are on direct access by Ethernet or USB port.



**SX-HMI 12"** Touchscreen control unit with joystick comand handbox