



AMX Automatrix srl

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GLOBAL  
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**X-SINTER  
P100 SERIES**

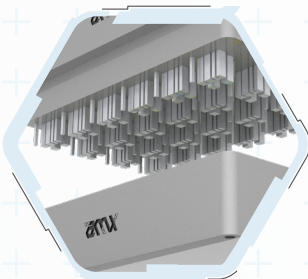
POWER ELECTRONIC EQUIPMENT

SEMI AUTOMATIC SOLUTION

P100 Series is a worldwide patented concept for sintering press which greatly reduces maintenance and production stops.

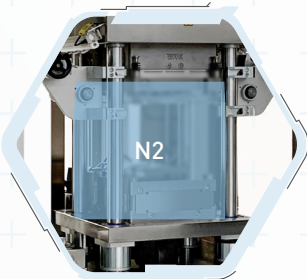
Based on AMX modular station, it guarantees flexibility , perfect repeatability, high accuracy, for prototyping and also medium production batches.

Easy removable pressing tool to handle production variation and avoid long downtimes. IoT-ready hardware and advanced software with intuitive interface and complete traceability.



PATENTED MICRO-PUNCH SYSTEM

AMX micro-punch system enables to press each die independently, guaranteeing uniform pressure and managing different dies heights and substrate configurations. Recommended choice for advance package sintering, Si, SiC, Clips, Sensors.



**HMI**  
Easy operator interface with full data traceability. Secs-Gem or other smart factory communication protocol available on request.



**CONTROLLED ATMOSPHERE TRAY**  
Preheating, sintering and cooling with no oxidation.

HIGH RELIABILITY EQUIPMENT

High reliability equipment with perfect repeatability performances suitable for: R&D Prototyping, Small and medium batch production.



AMX Automatrix is able to sustain the customer during the process developing phase or for testing activities. ISO Class 6 clean room to simulate the entire sintering cycle.

SINTERING AREA	160 x 160 mm
MAX CLAMPING FORCE	Up to 160 kN
MAX SINTERING PRESSURE	Up to 40 MPa
AMX FORCE SENSOR	Available: Continuous monitoring system for quality control
CONTROLLED ATMOSPHERE	With tray: N2, Vacuum, Forming gas and other on request
SINTERING TOOL	Micro-Punch sintering tool [AMX Patented]
MAX TEMP. (BOTH SIDE)	350°C
PRE-HEATING AREA	0 ÷ 250°C
POST-COOLING AREA	Internal cooling system
EXT. THERMOCOUPLE CONNECTION	Available
TRACEABILITY	AMX Vision System, DMC Scanner and Database
DIMENSIONS	W1400 x D1400 x H2200 mm
WEIGHT	2800 Kg