



AMX Automatrix srl

Headquarter

Loc. Bolina 1D/1E, 25085 Gavardo (Bs) Italy

Registered Office

Via Missana 31, 25077 Roè Volciano (Bs) Italy

VAT No. 03754630162

Tel. +39 0365 1870286 **Fax** +39 0365 1870287

Online amx-automatrix.it



GLOBAL CONTACTS



**X-SINTER
P100 SERIES**



AMX Automatrix | All Rights Reserved

07/2021 Rev.00 - ENG

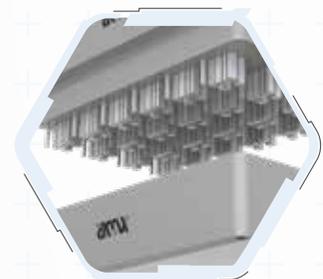
POWER ELECTRONIC EQUIPMENT

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.

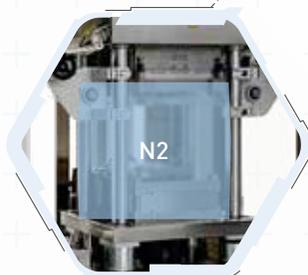
Easy removable pressing tool to handle production variation and avoid long downtimes. IoT-ready hardware and advanced software with intuitive interface and complete traceability.



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