



AMX Automatrix srl

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GLOBAL  
CONTACTS



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**X-SINTER  
P200X SERIES**

POWER ELECTRONIC EQUIPMENT

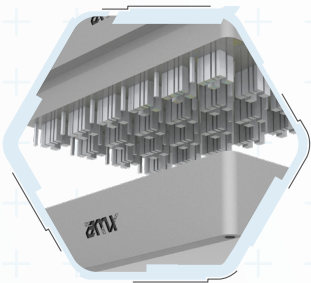
FULL INLINE SOLUTION

P200X Series is a worldwide patented concept for sintering press which greatly reduces maintenance and production stops.

Based on AMX In-Line modular station, it guarantees flexibility , perfect repeatability, high accuracy and high production rate.

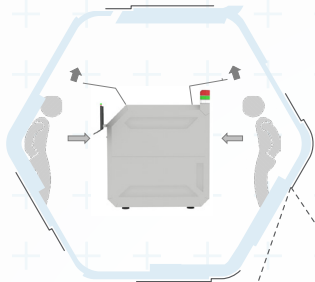
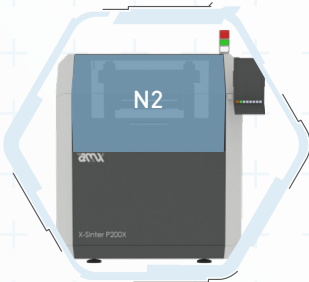
One of the most appreciated features is our easy removable pressing tool to handle production variation and avoid long downtimes.

IoT-ready hardware and advanced software with intuitive interface and complete traceability.



PATENTED MICRO-PUNCH SYSTEM

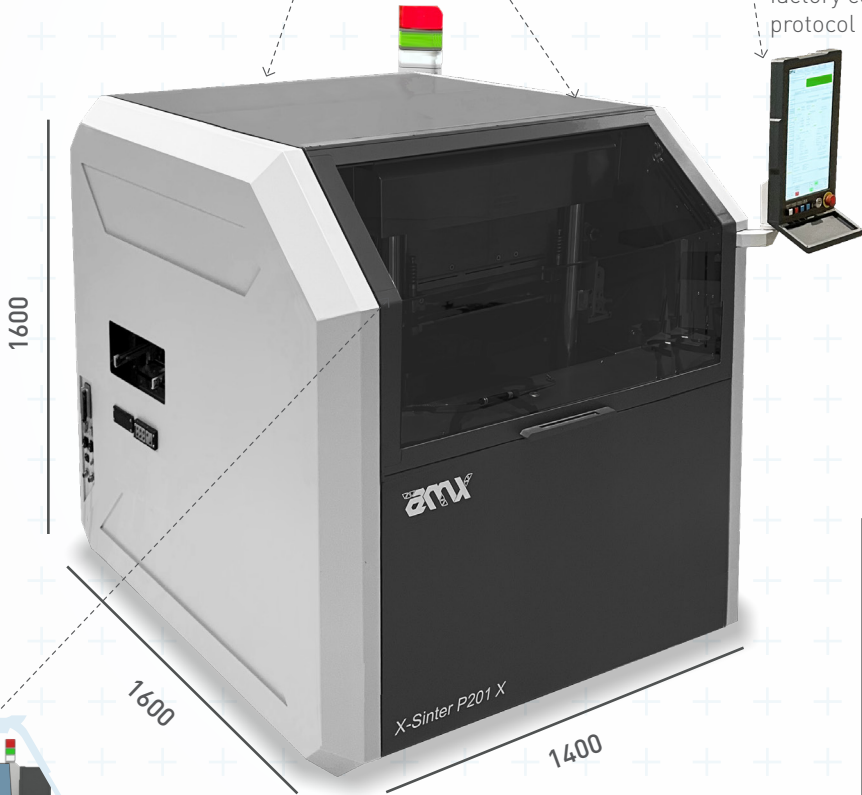
AMX micro-punch system enables to press each die independently, guaranteeing uniform pressure and managing different dies heights and substrate configurations. Recommended choice for advance package sintering, Si, SiC, Clips, Sensors.



EASY ACCESS  
Operator double side access

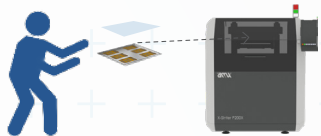


HMI  
Easy operator interface with full data traceability. Secs-Gem or other smart factory communication protocol available on request.



N2 CABINET  
Nitrogen cabinet, with no oxidation. Preheating, sintering and cooling in inert atmosphere

P200XM - SEMI AUTO



Manual front loading/unloading by operator. The station executes the cycle in semiauto mode, protective film is placed manually. Scalable to full in line

P200X - FULL IN LINE SOLUTION



The station executes the cycle in automatic mode, protective film is placed automatically by reels, the carrier or card are loaded into the sintering tool by axle. Unit can work with single AMB, DBC etc , cards, or customized/customer tray

SINTERING AREA	350 x 270 mm and on request
MAX CLAMPING FORCE	Up to 980 kN
MAX SINTERING PRESSURE	Up to 40 MPa
AMX FORCE SENSOR	Available: Continous monitoring system for quality control
CONTROLLED ATMOSPHERE	Full cabinet 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 D1600 x H1600 mm
WEIGHT	4500 Kg