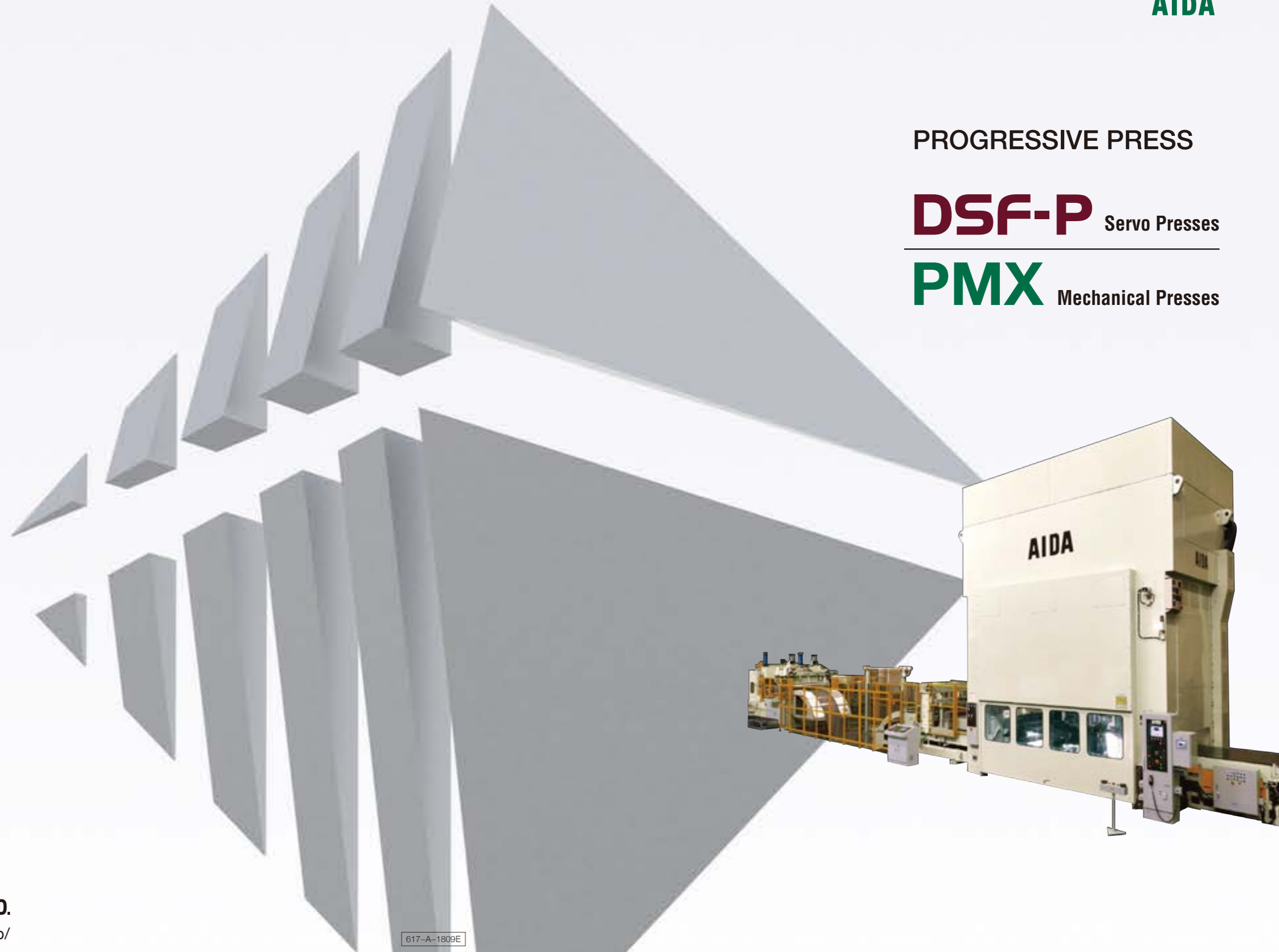




PROGRESSIVE PRESS

DSF-P Servo Presses

PMX Mechanical Presses



AIDA ENGINEERING, LTD.

URL : <http://www.aida.co.jp/>

617-A-1809E

High-Precision Progressive Presses

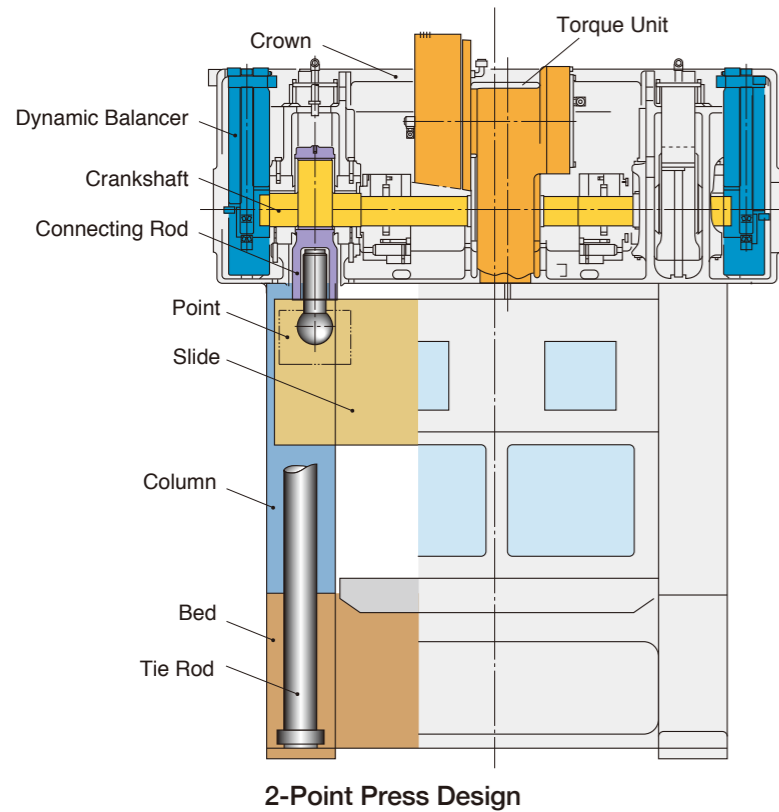
PMX Series

Our Track Record Attests to This Bestseller for Progressive Applications

The left/right shaft configuration and the wide spacing between the connection points enables PMX presses to capably withstand off-center loads, and it utilizes a proprietary 'torque unit' design that doesn't transmit reverse loads to the drive gears.

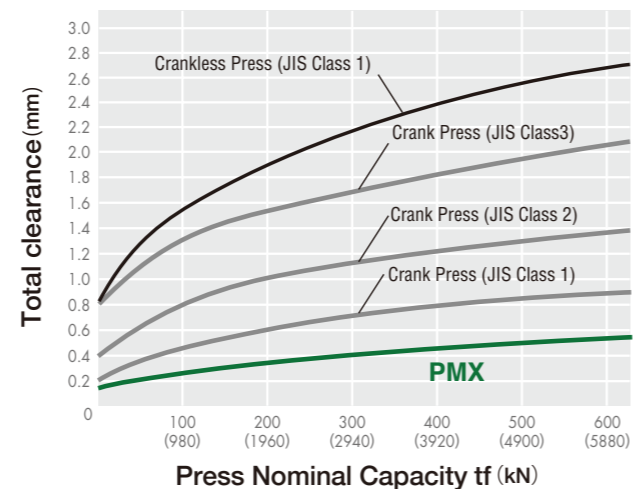
The high precision of each component is achieved by machining the components in-house, and the total clearance is JIS Special Class or lower.

The highly rigid frame and the symmetric design delivers high precision, high performance, and high durability.



Total Clearance is JIS Special Class or Lower

Minimizes breakthrough that occurs during blanking, increases die life, and also improves product precision.



A Unique 4-Point Press Design

Thanks to its unique left-right shaft configuration, even a 4-point press with a wide front-to-back area can capably withstand off-center loads. It rises above the competition when it comes to progressive forming applications for automotive structural panels from high-strength materials and for blanking applications. Moreover, we have also delivered many presses with peripheral equipment, such as AIDA coil lines and pilers.



4-Point Press Design

In-House Manufacturing That Cannot be Imitated (Pre-Loaded Machining)

In order to achieve high-precision assembled components, the minimal deformation that occurs once components are mounted in the press is replicated during the machining process.



A Servo PMX to Boost Performance to the Next Level!

DSF-P Direct Servo Former



- A direct-drive design that fully transmits the servo motor RPMs to the slide.
- A maintenance-free design--No belts or speed reducers, and no regular replacement of components.
- The gear train drive eliminates slide point phasing issues.

- Improved Formability** The press motion is freely programmable to match the forming application. Reduces speed when the dies come in contact and suppresses material and die vibration.
- Improved Productivity** Enables easy synchronization with automation systems, and the optimization of the non-forming range of the stroke boosts productivity. Pendulum motion that does not pass through top dead center shortens the stroke length and delivers even higher productivity.
- Improved Operability** Using the Step Feed controller to align dies enables worry-free die trials even for new dies. Because there is no flywheel, instantaneous reverse motion is possible.
- Lower Energy Costs** The AIDA servo system's peak power reduction function in its standard high-capacity capacitor system has been further enhanced, and a control function has been added to the servo power supply in order to reduce power consumption.