Realizes high thrust at any position using only a pneumatic source! Incorporated flexibly into a multi-model production line

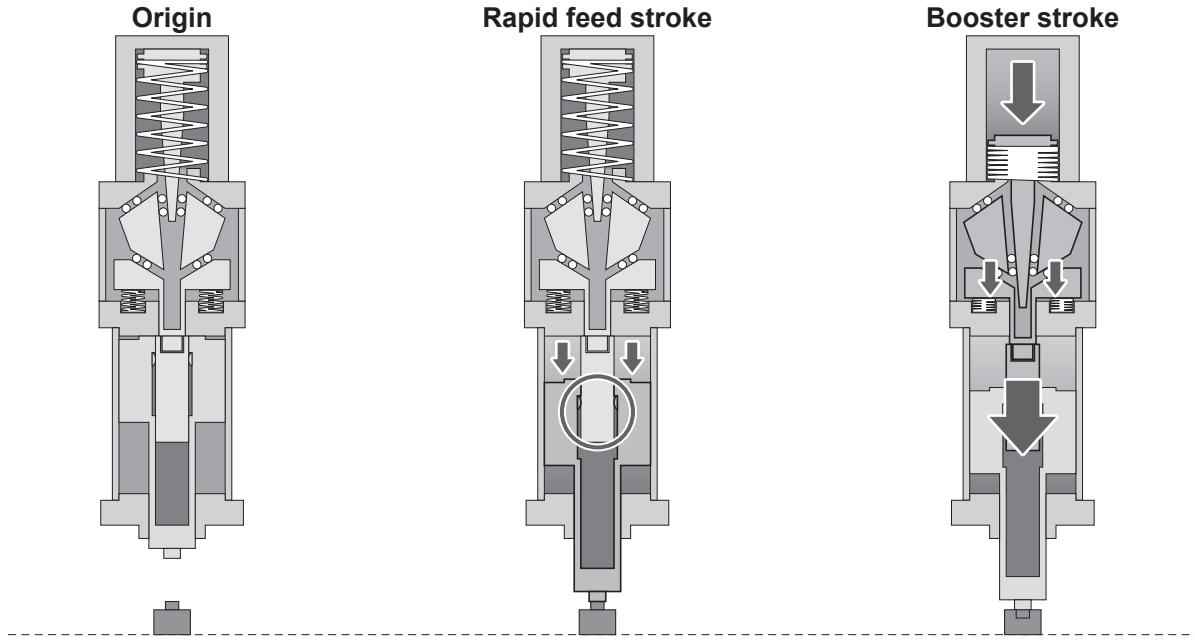
Mechanical power cylinder

MCP Series

Only pneumatic units are used for driving.
Since no hydraulic devices such as pneumatic units or high-pressure hoses are used with this eco-friendly cylinder, no waste oil is generated.

- Thrust eight times higher than a cylinder with the same bore size is achieved during boosting.
- Space saving design needs no dedicated units.
- No oil is used, eliminating the need for maintenance such as lubrication and oil replacement.
- Free installation

Operation principle



When the rapid feed section of cylinder contacts the workpiece, the circled section is coupled due to the internal mechanism.

After coupling, force is conveyed to the rapid feed section by operating the booster section, generating high thrust.

Boost power at an arbitrary position!

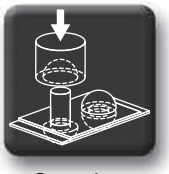
Automatic boosting even if the workpiece height is changed or there are variations in the workpiece.

Booster stroke 10 mm or more is possible!

You can hold down the workpiece at rapid speeds until the required booster stroke, and repeat the pressure and exhaust of the booster stroke unit.

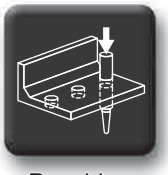
×8

Applications

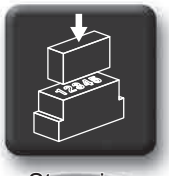


Swaging

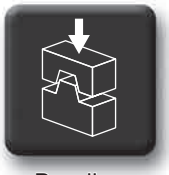
Press-fitting



Punching

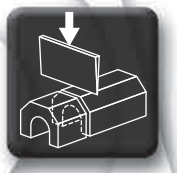


Stamping



Bending

Riveting



Cutting

POWER