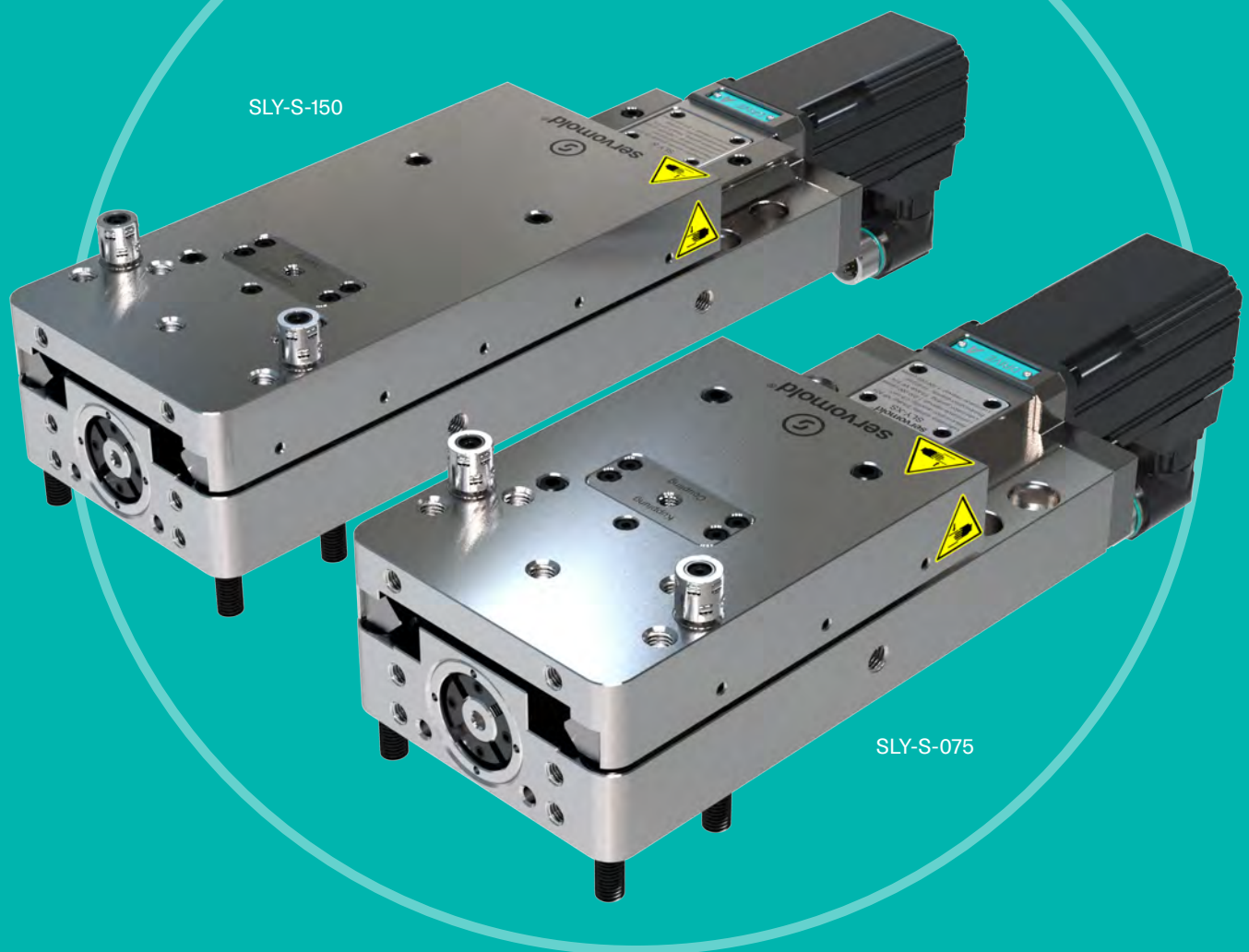


servomold®

μ-motion



Core Pulling Unit

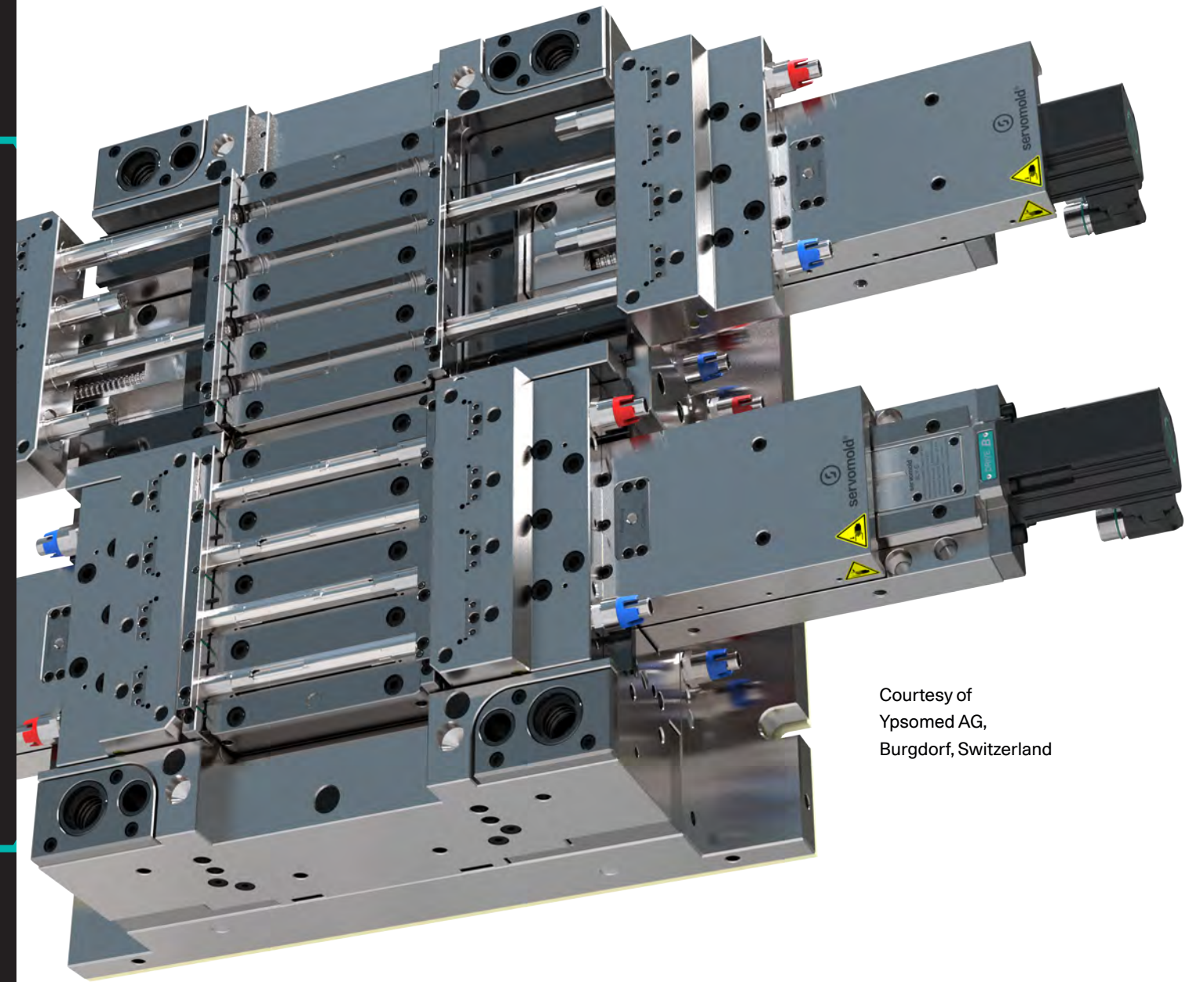
SLY

μ precise and compact slider unit with durable ball screw spindle and high-performance servo motor



Motion
for
creation

μ -motion



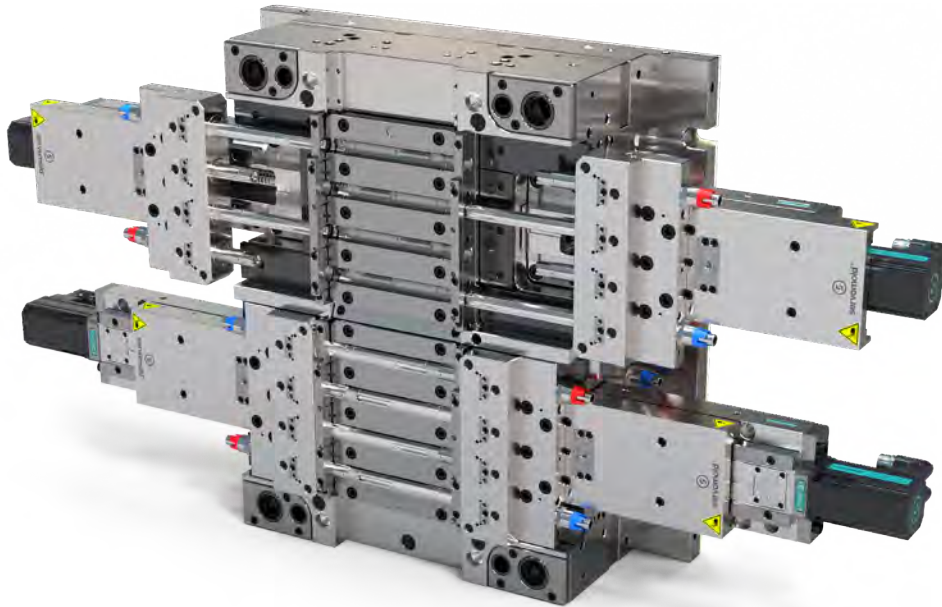
Courtesy of
Ypsomed AG,
Burgdorf, Switzerland

Applications

New tools and retrofit

The Core Pulling Unit (SLY), by Servomold is the perfect alternative to hydraulic cylinders, both for new molds and for retrofitting existing molds.

The application possibilities and areas of use are diverse and allow clean, precise and highly dynamic slider movement - ideal for clean room environments.



Core Pulling Unit SLY

The core pulling unit is mounted on the injection mold tools and allows different sliders to be mounted on the carriage.

- Linear guideways with needle bearing allow the carriage to be guided extremely precisely and smoothly
- Cleanroom-compatible minimum lubrication
- Multi-stage movements allow individual design of the demolding process
- Optional motor brakes for vertical arrangement prevent sagging of the mechanics when switching off the power

SLY in action



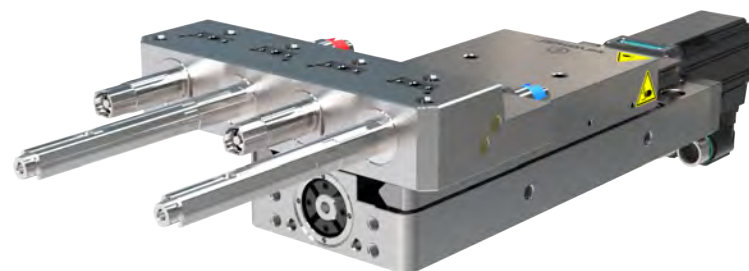
SLY - closed



SLY - pulled out

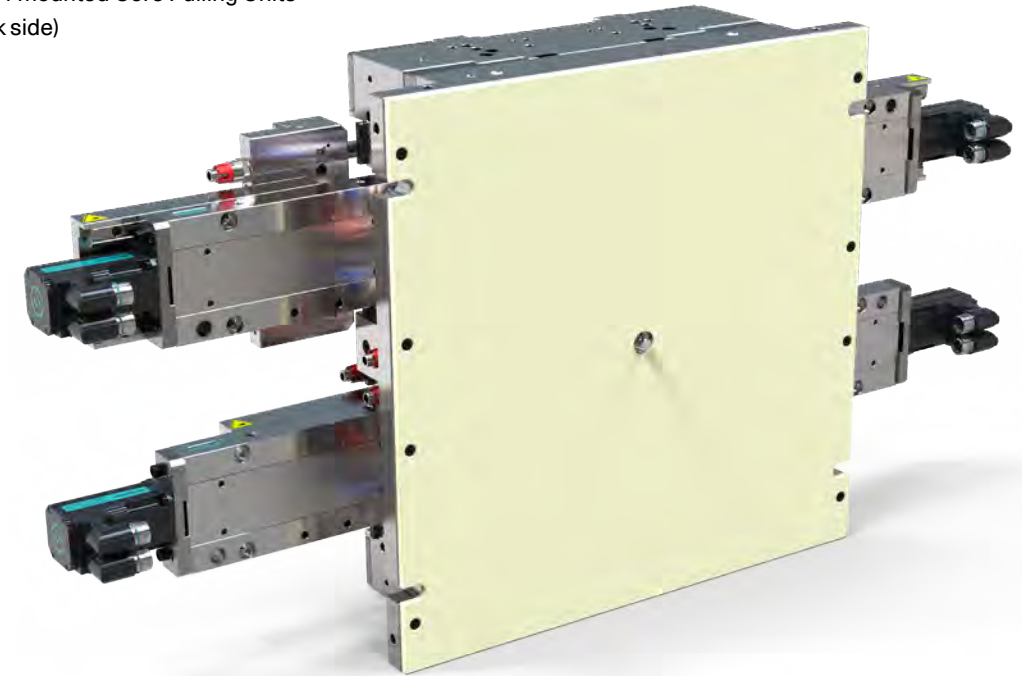


SLY with slider, mounted on top



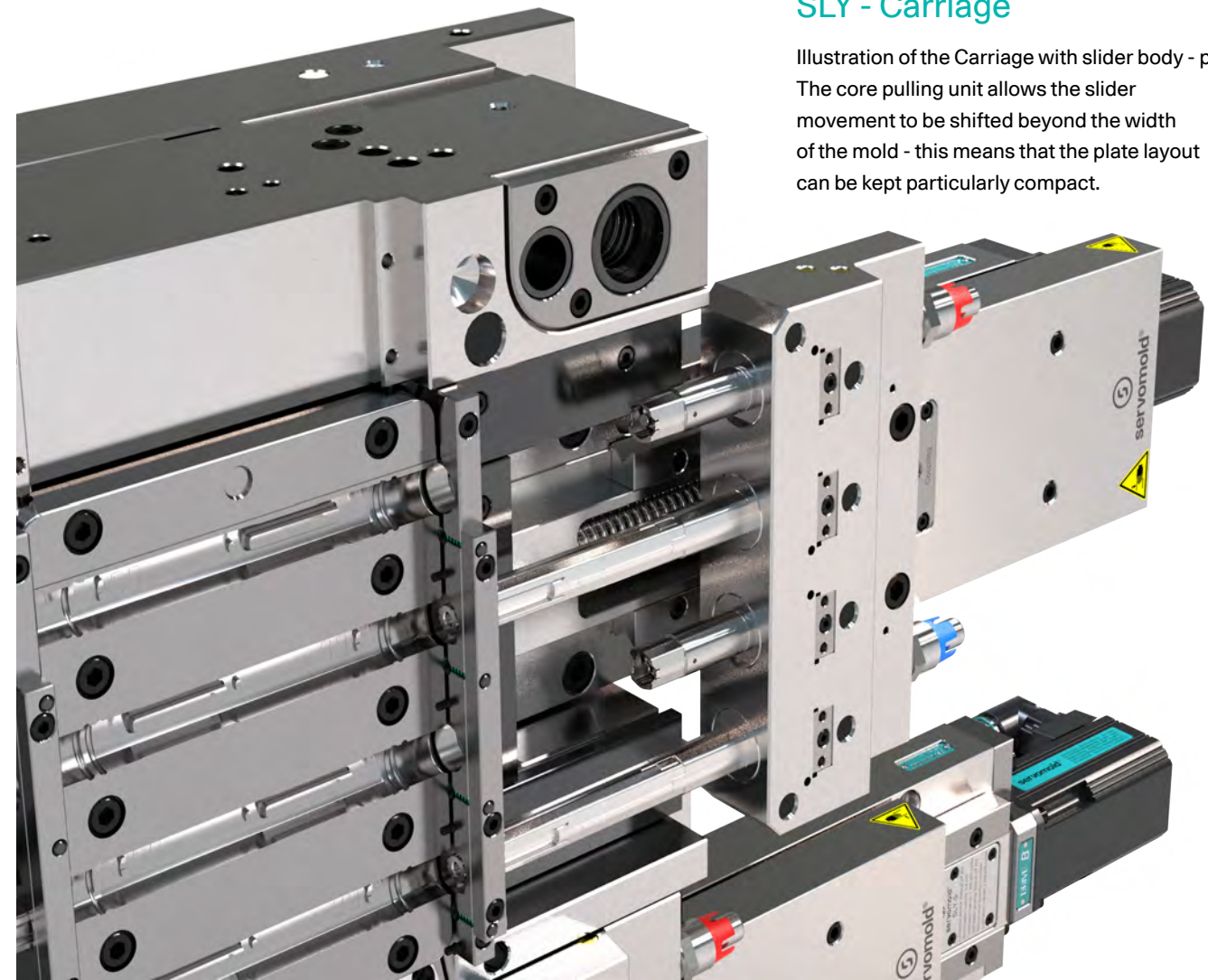
8 cavity mold

Illustration of the 8 cavity mold with 4 mounted Core Pulling Units (back side)



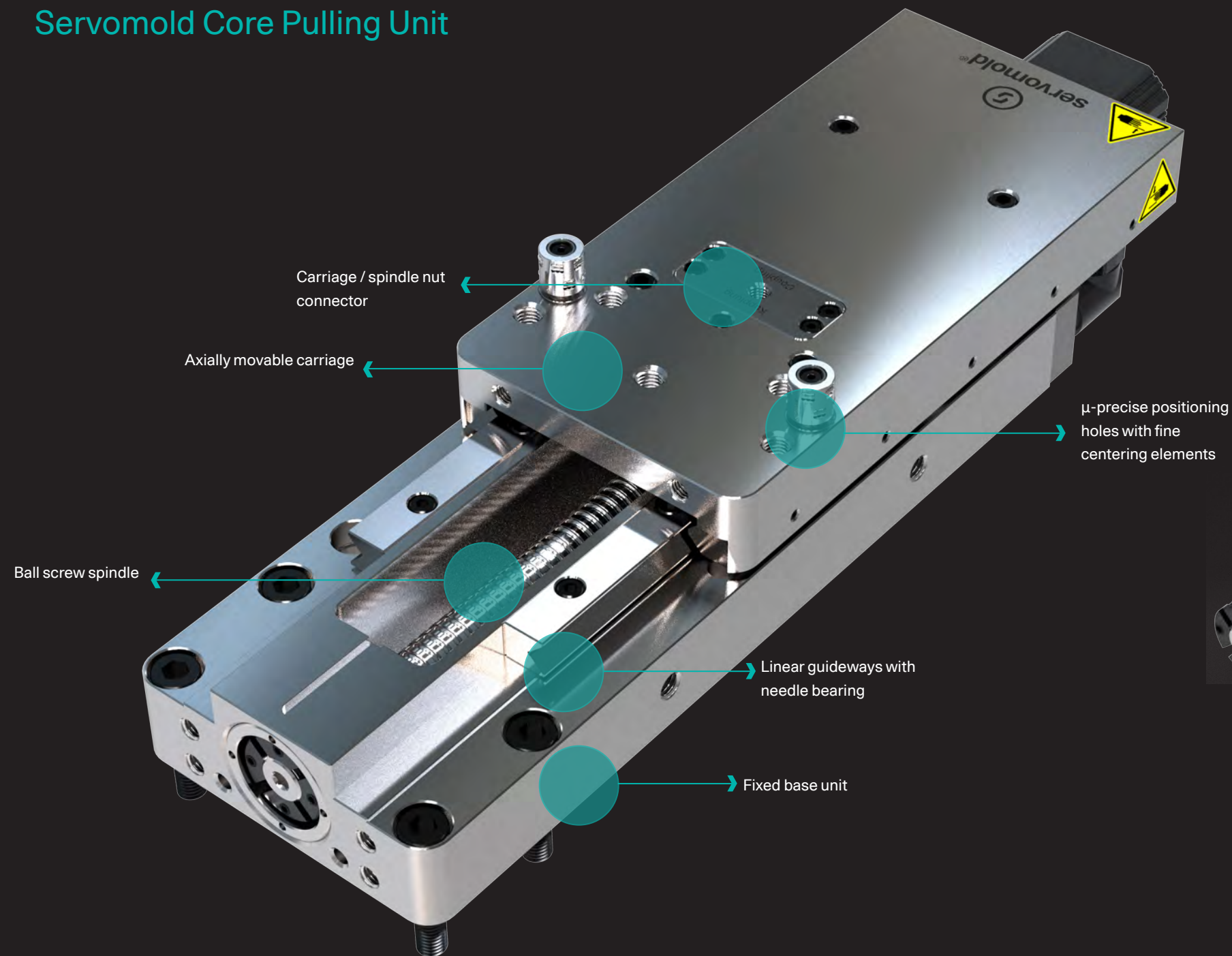
SLY - Carriage

Illustration of the Carriage with slider body - pulled. The core pulling unit allows the slider movement to be shifted beyond the width of the mold - this means that the plate layout can be kept particularly compact.



Product features SLY

Servomold Core Pulling Unit

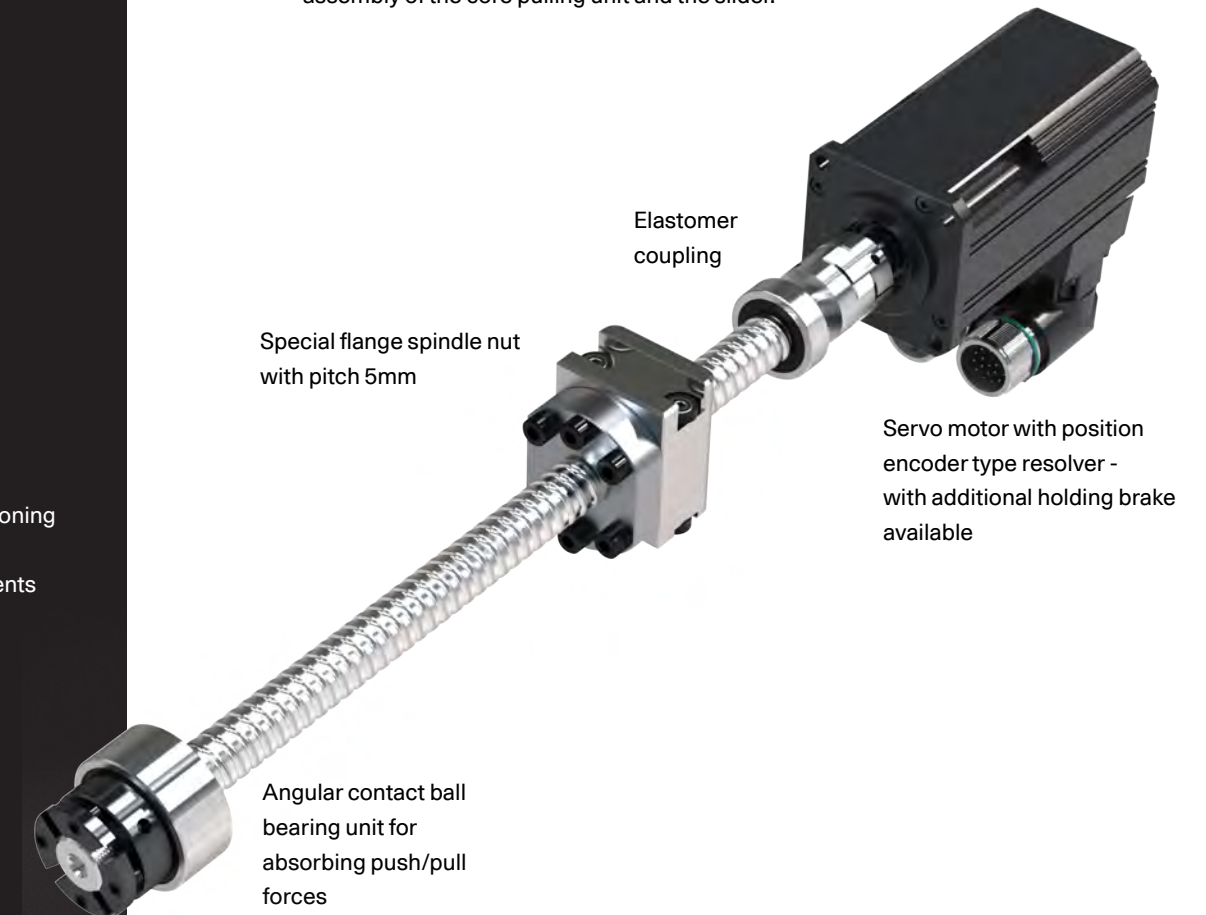


Feature set

- › Compact, clean and highly dynamic alternative to hydraulic cylinders - especially for slide movements and clean room environments
- › Continuously high forces and speeds possible
up to 6.8kN force and 600mm / sec velocity
(150 mm in 0.5 sec - including acceleration and deceleration)
- › Attached, replaceable high-performance servo motor
- › Easy maintenance access to spindle nut
- › μ precise assembly and movements

Servomold - SLY

The SLY core pulling unit is supplied fully assembled and tested by Servomold. The μ precise positioning holes enable extremely precise assembly of the core pulling unit and the slider.



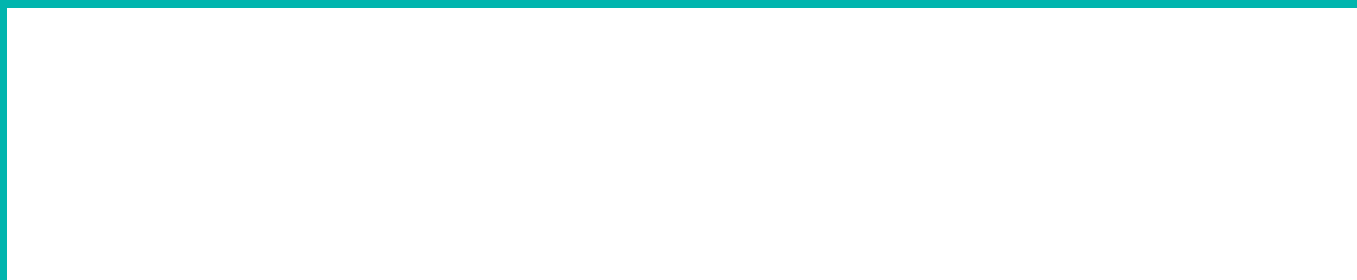
Servo MoldControl

The MoldControl units including touch panel offer an innovative operating concept with which all important parameters and functions are displayed clearly and quickly accessible.



Patent pending

Distribution



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