

PRODUCTION SYSTEMS WITH BASIC MACHINE PLATFORM ProMoCell® TSX & FSX



MOVING THE LIMITS.
TOGETHER.
CONSTANTLY.

The ProMoCell® is our machine platform for all your production, assembly and testing processes. Its tasks can be flexibly expanded, it is quickly available, robust and yet mobile, helping you save time and costs. Furthermore, it features an impressive ease of servicing and very effective occupational safety and ESD protection. The ProMoCell® is available as a table version (TSX) and as a floor-level version (FSX).

ProMoCell® TSX

The ProMoCell® TSX is the machine platform featuring a **table design**. It is mainly used in assembly and testing processes, in which construction is based on the ergonomic working height of the operator. A highly torsion-resistant welding platform serves as the base.



ProMoCell® FSX

ProMoCell® FSX is the machine platform in **bottom-supported design**. It is mainly used for assembly and test processes requiring the complete interior for the assembly setup. The base is also a highly torsion-resistant welding platform.

You have the choice!

Flexibly adapt our machine platform
ProMoCell® to your requirements.

Transparency

Real glass or Makrolon? It depends on the application. Glass is easy to clean, scratch-resistant and provides optimal visual contact to all components. Makrolon offers advantages by its impact strength, e.g. when using robots. For ESD applications, antistatic Makrolon is chosen.

Laser protection

For extensive laser applications ProMoCell® also provides the laser protection – according to the currently applicable regulations and standards.

Control

For ProMoCell® TSX the control cabinet can optionally be integrated above or underneath the table top. For the FSX-version the control cabinet can also be placed on top – or over the entire height of ProMoCell®.

Vertical expansion

If the standard heights of ProMoCell® TSX and FSX should not be sufficient, a roof hood of 600mm offers “much scope for more”. The roof hood is additionally expandable in increments of 200mm.

Horizontal expansion

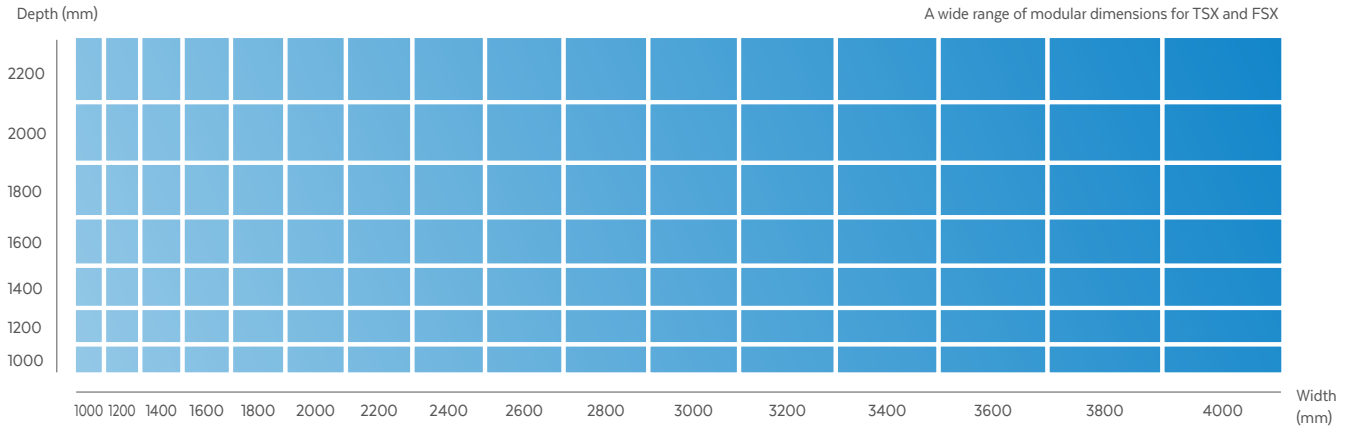
ProMoCell® TSX and FSX are variably connectable to each other in all sizes available. In line, on all four sides or in offset arrangement.



INTELLIGENT GRID AND MODULAR CONCEPT FOR ANY SPACE REQUIREMENT

With their variable grid dimensions, the ProMoCell® TSX and FSX offer space for any process structure.

The overall height without support arm and signal lamp is 2265 mm or 2715 mm in the high variant (with 100 mm ground clearance). Between 1000 – 2200 mm in depth and 1000 – 4000 mm in width all dimensions can be freely selected and combined in increments of 200 mm.



EASE OF USE TIMES THREE

Three different operating concepts and a special feature ensure optimum handling and comfort – according to your needs and process requirements.

SUPPORT ARM

Operation via panel on support arm

- Operation close to the process
- Any panel types and sizes possible
- For TSX and FSX

FEATURE

Control inserts on each corner post

- Predefined, coordinated key assignments
- Insertable in box drawer
- Flexibly replaceable

SLIDE

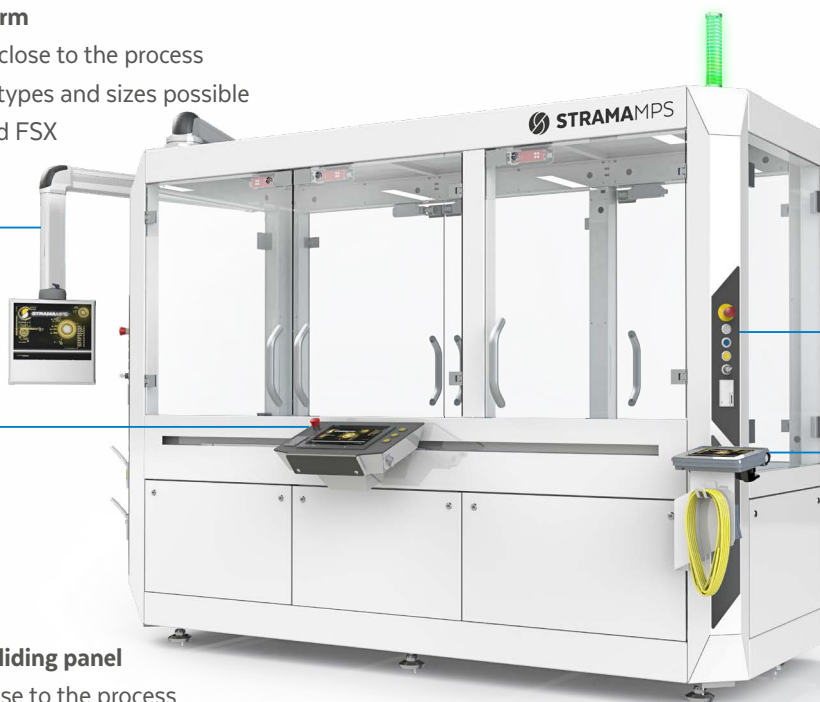
Operation via sliding panel

- Operation close to the process
- The panel is located frontally at an ergonomic height
- Available for TSX

MOBILE

Operation via mobile panel

- Operation directly at the process
- Power and safety are in your hands
- Wired
- For TSX and FSX



TSX OR

FSX?

THE ADVANTAGES FOR YOUR PROJECT WILL IMPRESS EITHER WAY

Flexible and cost-effective
machine platform
for all space requirements

ProMoCell® adapts flexibly to all project requirements. Based on cost-effective standard components, it grows along with your tasks. And if there is not enough space, the next module can simply be attached.

Easy to relocate at
and between your
locations

The modules are easy to transport, including installations, cables and control cabinets. Thanks to their standard dimensions, ProMoCell® modules also fit into any common transport container.

Intelligent software
for optimum handling and
safe processes

The clever modular concept with its tested modules and feedback function offers maximum efficiency and process reliability. The uniform look and feel of the basic software and drag & drop programming offers exemplary usability with a short training period. Extensive diagnostic functions for hardware and software minimize system downtime. The database connection makes all data available for subsequent processes.

Easy to service,
easily accessible and
transparent

With its easily accessible maintenance interfaces, well thought-out installation routes and a harmonious lighting and grounding concept, the ProMoCell® simplifies all maintenance and repair work.

Highly effective
in occupational and ESD-safety

By limiting production to small and confined working areas, the risks of contamination and system conflicts are minimized. ESD capability ideally protects electronic components.

Safety first!

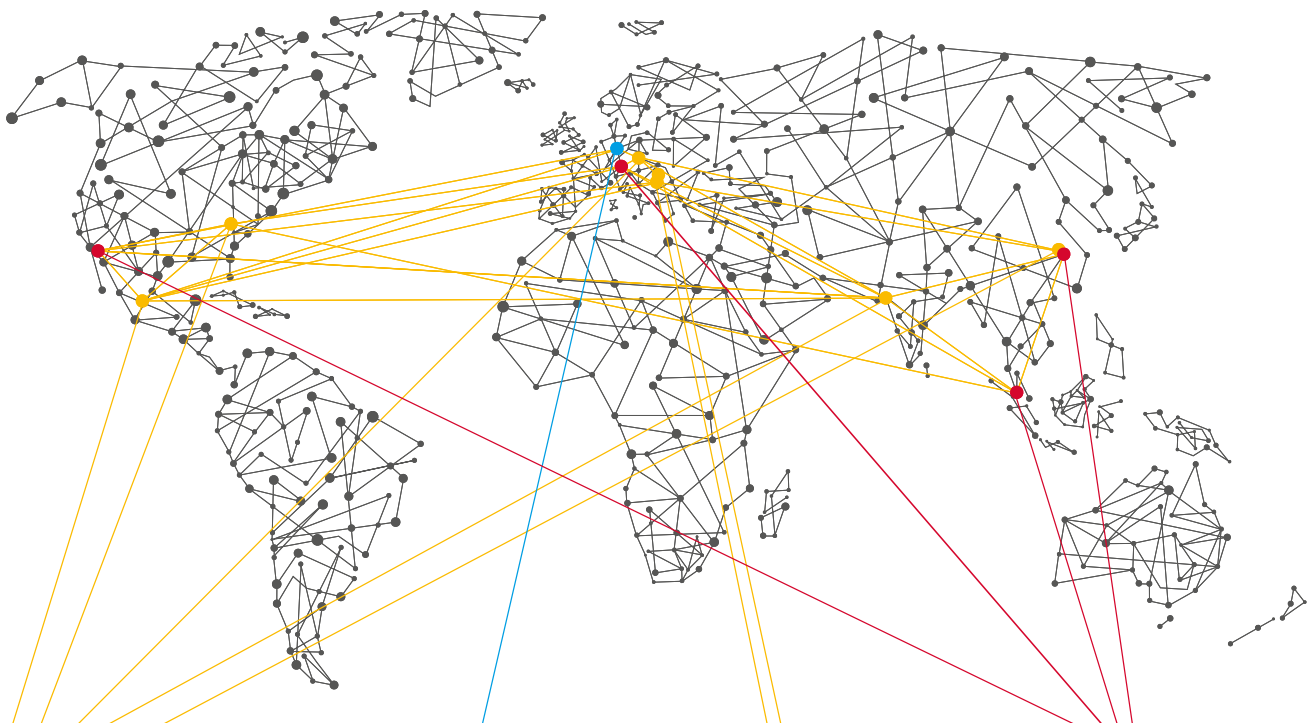
The sophisticated safety concept enables safe set-up when the safety door is open. The continuous use of safety controllers and extended safety functions on all electrical axes also maximize operator safety.

POWERFUL SYNERGIES: “MEMBER OF STRAMA GROUP”

Strama-MPS develops special-purpose machinery, equipment and complete solutions for the production, assembly and testing of complex technical components and products. International technology groups appreciate our engineering expertise, the experience and the certainty: We lead your project to success.

AuE Kassel has acquired in recent years an excellent reputation with assembly lines for axles and chassis components in the passenger car and commercial vehicle sector. With its axle alignment systems AuE has long been the world market leader.

For more than 40 years, **F & K DELVOTEC** is the worldwide innovation leader for wire and laser bonders. Renowned companies and research institutes worldwide are convinced by the quality of the technology and engineering services.



GERMANY, Straubing
CHINA, Taicang
USA, Duncan
MEXICO, Puebla
INDIA, Nashik



GERMANY, Kassel



CROATIA, Cerna
BOSNIA, Orašje



GERMANY, Ottobrunn
USA, Foothill Ranch
CHINA, Taicang
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