Highly versatile customizable solutions at lowest CAPEX

Proven modular technology platform for PERx high efficiency cells

15 Years of continuous improvement guarantees high return on investment
Over 30 GW worldwide installed PERC capacity – proven industrialized track record

Meyer Burger has mastered the power of passivation. Developing and manufacturing vanguard PV equipment qualified for PERC, PERx, p- and n-types cell concepts, mono- and multi-crystalline wafers and both mono- and bifacial cells.

Integrated tools simplify cell production complexity through full process automation. The tools maximize overall machine up-time. PERx provides highly competitive LCOE and is a profitable investment for manufacturing highly efficient solar cells. Versatile deposition layers and adaptable numbers of plasma sources enable customized layer thickness.

PERx modular cell coating equipment platform is tailored to meet customers’ requirements
Global service partner for integrated system solutions

360° Services along entire system lifecycle
- Installation, ramp-up and commissioning aiming at fastest production readiness
- Training tailored to customer requirements
- Swift response time with local support, parts and consumables warehousing
- Local overhaul service for rapid processing
- Customer process support optimizes production and maintenance processes
- Upgrades to newest technologies and processes

Maximized uptime lowers costs
- Efficient and proactive service
- Highly skilled service engineers near customer sites
- Optimized Total Cost of Ownership with long-lifetime parts
- Preventive and predictive maintenance to avoid unscheduled downtime
- Hotline and online support
- Reliable global service network

We are where our customers are

The EquipmentCloud is the smart solution for managing and maintaining PERx solutions.

Meyer Burger (Germany) AG, sales@meyerburger.com, www.meyerburger.com
CUSTOMIZE YOUR PERx SOLUTION
MAiA®, DiVA® and FABiA® - Evolution of new PERx cell production platform

By incorporating the DiVA® 6.1, MAiA® 6.1 and FABiA® 4.1 tools, Meyer Burger integrates proven multiple process steps into single modular equipment. **Throughput and manufacturing yield are increased.**

**Front and Rear SiN deposition**

- **DiVA® 6.1** 6,000 wph

**Rear AlOx + SiN deposition**

- **MAiA® 6.1** 6,000 wph

**Front SiN and Rear AlOx + SiN deposition**

- **FABiA® 4.1** 4,000 wph

**Qualified manufacturing processes**

Proven PERx baseline recipes for individual process are defined and optimized during machine ramp-up at pilot line in Germany. This decreases **on-site ramp-up time by 80% and reduces costs.**

Advanced deposition interface and no vacuum breakage provide further improved cell passivation, resulting in **> 22% cell efficiency and increased equipment reliability.**
Highest Yield – integrated in-line concept with inherent advantages compared to existing solutions

Applications with customizable new cell equipment platform
Technological evolution of new cell production line ensures upcoming new technologies

All existing cell lines can be upgraded.

| Expansion Market | | | | | Future Applications | e.g. passivated contacts |
|------------------|-------------------|-----------------|-----------------|-------------------|-------------------|
|                   |                   | FABiA® 4.1 (4'000 wph*) | Other solution |                  | DiVA® 6.1 (6'000 wph*) |
| Upgrade Market    |                   | MAiA® 6.1 (6'000 wph*) | Other solution |                  |                   |

Back-side coating (AlOx + SiNx = PERC)
Front-side coating (anti-reflective coating ARC)

Technical data

<table>
<thead>
<tr>
<th>PECVD inline deposition</th>
<th>MAiA® 6.1</th>
<th>DlVA® 6.1</th>
<th>FABiA® 4.1</th>
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<tbody>
<tr>
<td>Application</td>
<td>AlOx + SiN</td>
<td>SiN + SiN</td>
<td>AlOx + SiN + SiN</td>
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<tr>
<td>Process module combinations</td>
<td>4PM 6PM 4PM</td>
<td>4PM 6PM</td>
<td>4PM 6PM</td>
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<tr>
<td>Throughput gross [wph]</td>
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<tr>
<td>Uptime [%]</td>
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<tr>
<td>Yield mechanical [%]</td>
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<tr>
<td>Water per tray [pcs]</td>
<td>36 (6 x 6)</td>
<td>36 (6 x 6)</td>
<td>24 (4 x 6)</td>
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</tbody>
</table>

For more technical information check the dedicated factsheets MAiA®, DiVA®, FABiA®
Example - FABiA® 4.1 modular functionality at a glance

The new FABiA® 4.1 combines proven benefits of the industry leading SiNA® and MAiA®. FABiA® 4.1 combines three process depositions into one single equipment. It represents the ideal technological evolution for improving overall production costs and ensuring a high return on investment.

Modular FABiA® 4.1 offers the best footprint compared to any other solution currently on the market

12 FABiA® 4.1 for 2 GW require only 1'800 m² floor space

For more technical information check the dedicated factsheets MAiA®, DiVA®, FABiA®