

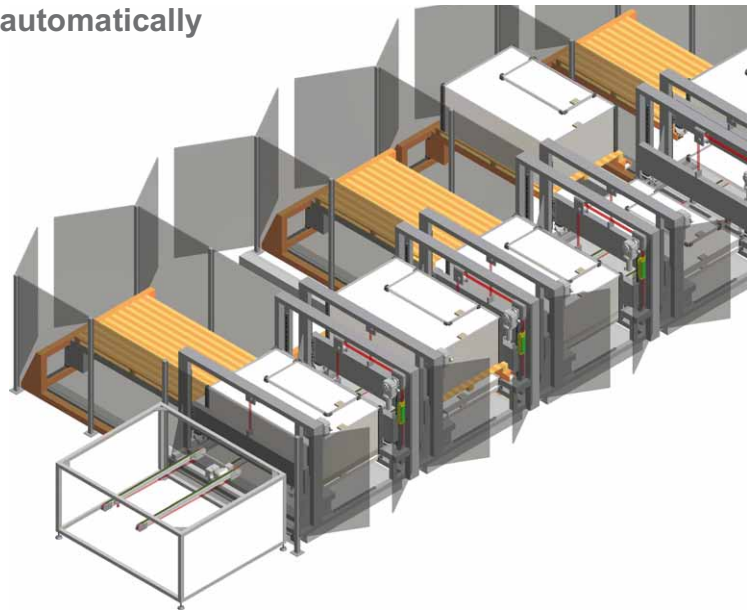
PV MS - PV MMS

PV Modul Sorter



PV Modules of one or several module sizes automatically sorted to performance classes and stacked

- **MS:** one module size
- **MMS:** continuously adjustable to several module sizes
- Unloading of one or several production lines
- Automatically sorted and stacked according to performance class
- For solar modules with *EckPack* corner elements
- High stacking performance for short cycle times
- Automatically unloading of the completed pile



Description:

The **Module Sorter** is necessary for every effective automated PV Module production.

Flashed Solar modules are completed manually or automatically with *Eckpack* Corners.

Depending on its performance class, the Module Sorter control assigns the module to a stacking box, takes it there and adds it to the stack.

The assignment of stacking boxes to the performance classes including the reject tray can be selected freely via plant control. The fully automated unloading of the completed stack out of the stacking box, ensures even by short cycle times an uninterrupted production and makes your plant performance independent of the availability of your operator.

Modular addition of further stacking boxes enables you to use additional performance classes.

Every stacking box of the PV MMS easily can be adjusted to the required module frame size.

For turning the module stack vertically to an euro-pallet or for its packaging, you choose a grade of automation (from manual to automatic) which suits your production plant.

Production example:

| | |
|-----------------------------|-------------------------------------|
| design | single row |
| stacking boxes | 5 |
| MMS for crystalline modules | I x w 1250-2100 mm x 650-1400 mm |
| MS for thin film modules | for example 1,4 x 1,1 m unframed |
| Transport position | Cross- or lengthwise |
| stack weight | 1000 kg |
| circle time | bis 30 s |
| pallet change | with fork lifter |

Options:

- further performance classes by addition of stacking boxes
- other module sizes, framed, unframed and other transport positions
- automated expansion stages up to unattended operation
- attaching corner elements
- pallet change without forklift
- turning module stack on euro-pallet
- packaging