



ASTRRA System, integrated by E-M-M-A

Change over your changeover, change with a single click!

The Industry 4.0 concept requires intelligent, technical systems that automatically translate information into physical quantities. **ASTRRA System, integrated by E-M-M-A**, meet that requirement thanks to their mature and proven software.

ASTRRA SYSTEM, integrated by E-M-M-A, rings in smart automation today.

Frequently changing formats

You want accommodate customer requests **more flexibly, yet economically?**

The required set-up time and the re-start after set-up is **affecting system output and profitability.**



Adjustment
in less than
3 min.



Fast, accurate, and simple

- The **ASTRRA SYSTEM, integrated by E-M-M-A**, shortens set-up for a new product to less than 3 minutes.
- The system software **stores all product-related data.**
- Start the set-up process with a **simple mouse click** on a product photo.
- The set-up process then takes place **fully automatically, even in inaccessible places**, for example, under the ceiling, as well as in curves and arcs.
- The **high repeatability** of the system ensures **shortest ramp-up times** after conversion change over.



Change over your changeover

Your savings during set-up with **ASTRRA System, integrated by E-M-M-A**, are remarkable and shortens the amortization to a few months.

Calculable Savings

Simply calculate your profit increase.
The **set-up calculator**
on our website makes it easy:

www.e-m-m-a.eu

The **ASTRRA SYSTEM**, integrated by **E-M-M-A**, one Touch Automatic Changeover system implements Industry 4.0 to your production today.

The implementation is simple.

The system is compatible with any common conveyor system. Even upgrading your system is not a problem.

ASTRRA SYSTEM, integrated by E-M-M-A, actuators **communicate with the controller wirelessly**. The wiring complexity is therefore low. No programming work is required.

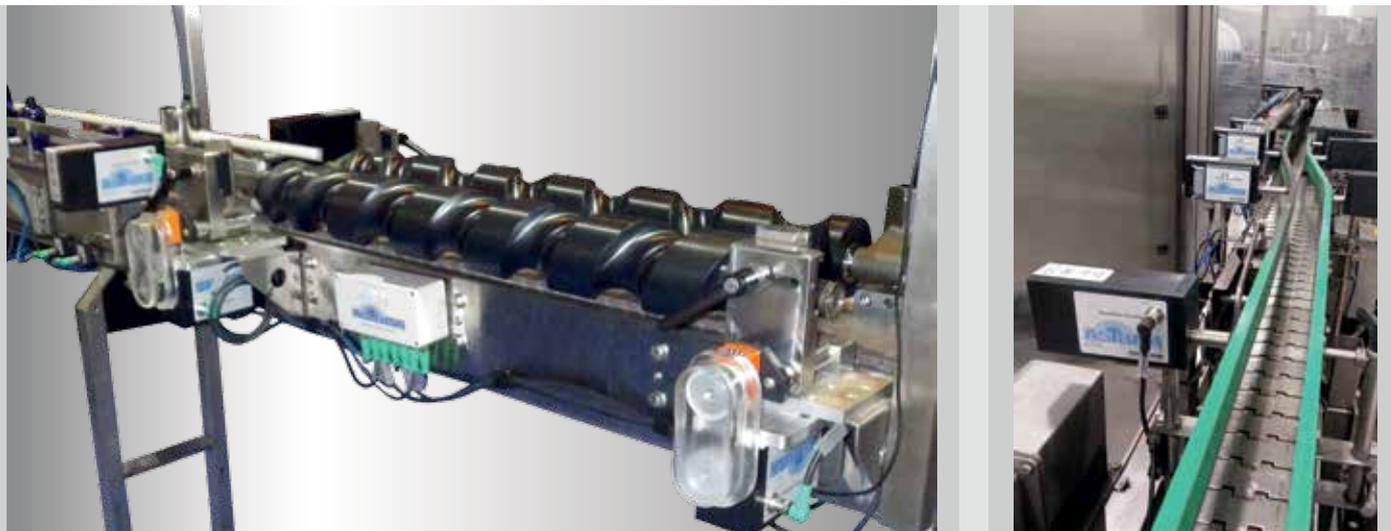
ASTRRA SYSTEM, integrated by E-M-M-A, simply works: **plug & play!**



Individual

Each actuator can be adjusted individually for each product. Operation is easy via a Windows interface. The adjustment of the guide width is performed sequentially.

This protects the product guides and conforms to safety regulations.



Simply Brilliant

With a few operating steps, side guides, timing screws, upper guides, linear stops, switches, and each complete production line are adjustable. With the IP 67 protection, **ASTRRA SYSTEM actuators (integrated by E-M-M-A)**, can even be used in wash down areas.

ASTRRA SYSTEM, integrated by E-M-M-A,
offers a wealth of possibilities.

- Adjustments can be made with linear or rotary actuators.
- System sizes are virtually unlimited.
- The control communicates wirelessly with the actuators via the segment coordinators.
- Up to 31 segment coordinators with up to 120 actuator control modules per segment.

Technical details:

Linear:

Type	Stroke	Shaft thickness	Adjustment force	Holding force	Adjustment speed
Micro	50 mm to 100 mm	12,70 mm	108 N	900 N	12 mm/s
Standard	100 mm to 200 mm	19,05 mm	422 N	3500 N	12 mm/s

Strokes of up to 800 mm are possible.

Rotary:

Type	Revolutions	Shaft thickness	Torque	RPM
Micro	50	6 mm	16 Ncm	100
Standard	100	8 mm	50–350 Ncm	143–156
Heavy Duty	100	12 mm	150–3400 Ncm	26–705

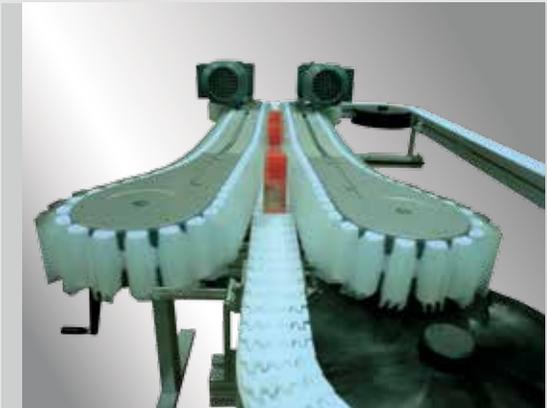
PLC Connection:

Stand-alone solution with PC (Windows 7, 8), PLC with Ethernet IP and PC.



Customised Conveyor Systems

We offer consulting, planning and construction of complete conveyor systems, **including stainless steel systems for special requirements stainless steel**. Our **modular system** provides standardized variety for individual Solutions.



Belt Conveyors and Complete Solutions

Easy assembly and years of experience and know-how in Conveyor Technology result in **precisely the Solution you require in production**.

Weights of up to 50 kg (110 lb) and lengths of up to 20 m (65') are possible without problems.

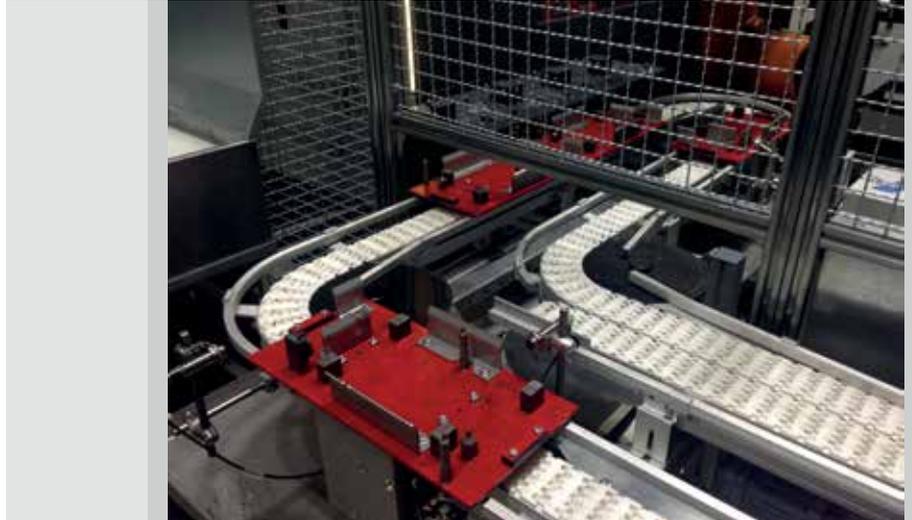


Workpiece Carrier System

E-M-M-A Workpiece carrier system protects your products and facilitate the conveyability.

The precise positioning for automated processes is implemented **easily and securely**.

The workpiece carrier has a standardized bottom side for transport, stopping, and positioning. The topside can be **customized to the workpiece**.



Slide Gate

Improved accessibility to machines or passage for short operator routes.



AmbaFlex SpiralVeyor

This system is ideal for modern packaging lines with high performance.

We continually raise your products to the next level.

The system is simple, saves space, and ensures **free ground surfaces and short operator routes**.



E-M-M-A

Conveyor Systems & Solutions -
Advancing Your success