

CONNECTING THE FUTURE

DANOBATGROUP



SORALUCE

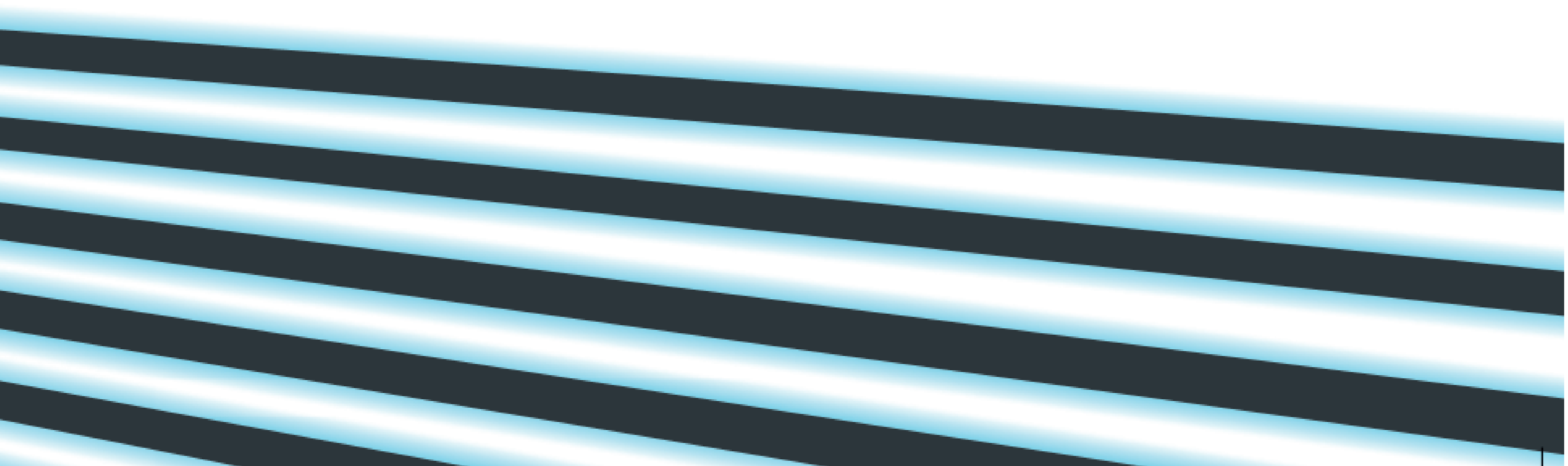


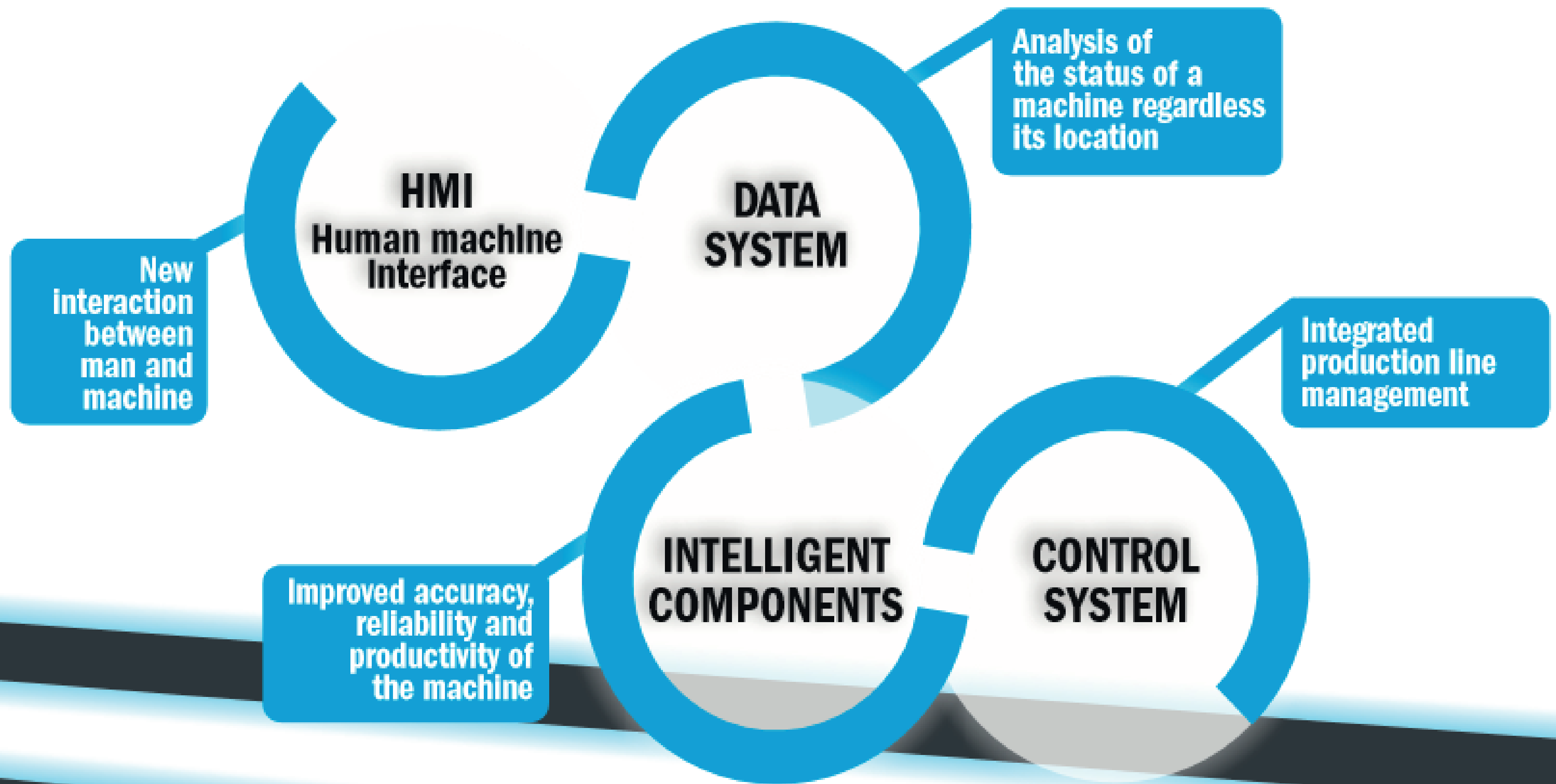
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ENTER THE DIGITAL MANUFACTURING

The growing digitalisation of industry is opening up new possibilities for the manufacture of machine tools; more intelligent and therefore more efficient solutions that increase productivity, efficiency and flexibility because of the ready availability of comprehensive information about the status of machine and manufacturing process.

Industry digitalization makes possible to provide advanced services using the latest information and communication technology that ensures maximum machine availability and support in operation, programming and maintenance of the equipment.





H.M.I. (Human Machine Interface)



Enhanced machine availability

Logical operation of control unit

- Guided menu.
- Simplification of repetitive tasks.
- Information of machine status.

Programming support

- Specialised machining cycles.
- Maximum use of machine capacities.

Documentation on screen

- for operation,
- for maintenance.

Computer-aided maintenance

- Trouble shooting support.
- Recommended retrieval plan.
- Maintenance and inspection plans.

ECO monitor

- Graphic display of energy consumption.

Use of communication standards

- MT Connect.
- OPC-UA.

DATA SYSTEM



Continuous Information of machine and process status

Real-time monitoring

- Collection and storage of data of machine and process status.
- Connection to any control system (Fagor, Siemens, Fanuc, Heidenhein, etc.).

Remote display

- Real time indicators of machine status (tablet, smartphone, etc.).

Machine or process information

- Periodic reports on behaviour of multiple variables.
- Structured storage of information for subsequent analysis.

Analytics

- Smart data analysis for trouble shooting and reduced down-times.
- Enhanced processes and performance of machine.

POWERED BY



INTELLIGENT COMPONENTS



Improved accuracy, reliability and productivity of the machine

Built-in data capture devices that pick up and process variables in real time to optimise conditions of machine operation.

DAS (Dynamic Active Stabilizer)

- Active damper system that can actively increase the dynamic rigidity.

MDM (Multi-Diameter Measuring)

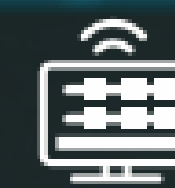
- High-precision in-process / post-process absolute multi-diameter meter.

High speed measuring system without turbine blades contact.

VISUP-3D

- Blank workpiece alignment by means of photogrammetry.

CONTROL SYSTEM



Application for full control of production lines

Fully modular solution

- From a cell designed for the manufacture of a given component to a complex production system.
- Scalable functions according to needs.

Independent from equipment manufacturer

- Machine tools, inspection systems, handling systems, etc.
- Different control systems (Fagor, Siemens, Fanuc, Heidenhein, etc.).

Different management levels

- Work orders
- CNC programs
- Tools and devices, etc.

Full integration with corporate management systems

- ERP, MES, TLM, etc.



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