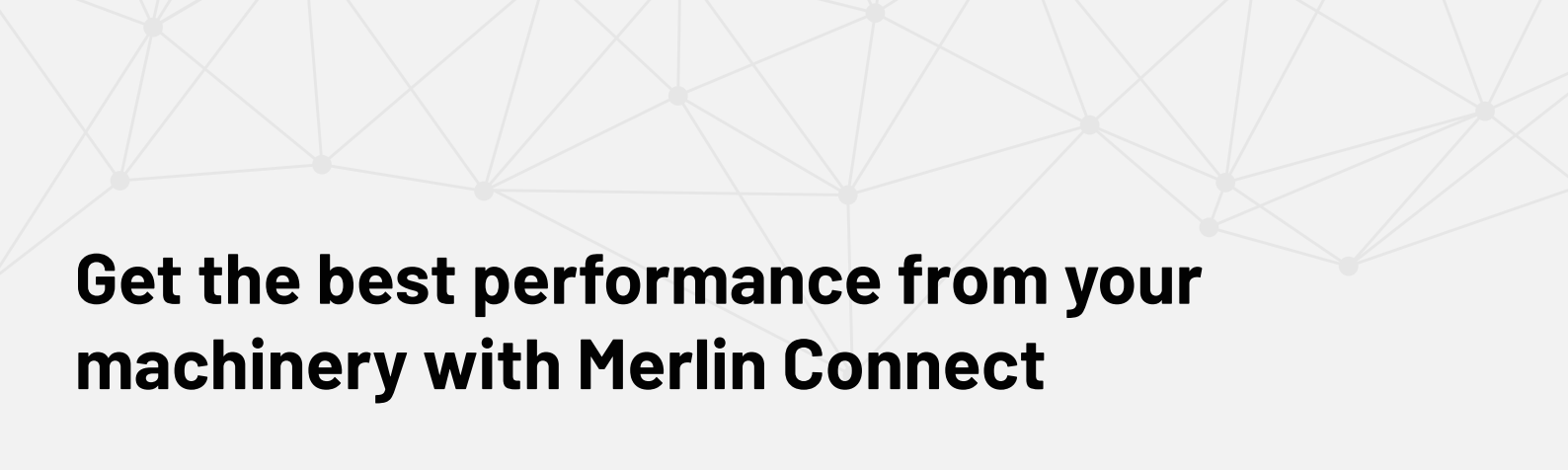




**MERLIN**  
CONNECT

**INDUSTRY 4.0** SOFTWARE

A background graphic at the top of the page featuring a network of interconnected nodes and lines, resembling a molecular or digital structure, in a light gray color.

# Get the best performance from your machinery with Merlin Connect

The complete and ready-to-use software for industry 4.0

Merlin Connect is a **connector** specifically designed for industry 4.0, suitable for any market sector. Its flexible technology allows you to export and monitor the data produced by **any type of machinery** (presses, machining centres, lathes, professional ovens, cranes etc.). Conversely, it allows a smart production management as it sends remote commands to the machinery. Everything is done simply from a web-based interface accessible from any device.

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**INDUSTRY 4.0** MODULE



## COMPLETE & READY-TO-USE

Merlin Connect is ready to use: **simply configure the connection** and choose the type of data you want to transmit according to your project needs. Since there is no need for time-consuming analyses and customisation, its functions can be put to use immediately.



## CLOUD TECHNOLOGY

Being a cloud-based service, it needs no specific hardware infrastructure to host it. All you need is a PC which uses the Windows operating system and is connected to the company's network. The benefit? **No expenditure on the purchase and maintenance of servers or other equipment.**



## SIMPLE INSTALLATION

The software can be **installed remotely**, without technicians having to be physically on-site. This means you can activate Merlin Connect wherever your business is located and in the event of a service request, there is no waiting time and no travel costs.



## VERSATILE

Thanks to its **transversal functions**, Merlin Connect can adapt to **any product sector**. This versatility makes it suitable for projects in a variety of fields (industrial, manufacturing, e-commerce, etc.); it can even be used within the same company for different purposes.

# INDU- STRY 4.0



# Merlin Connect for industry 4.0

New 4.0 technologies offer companies the opportunity to increase the efficiency of their production processes by reducing the waste of energy and raw materials. Thanks to its technology, Merlin Connect can be used to interconnect any kind of machinery.

How? Through 3 main functions.



## COLLECTION AND MONITORING OF DATA

Merlin Connect can acquire and **work on any kind of data** that comes from the machinery (e.g. number of parts produced, average production time for each part, start and end times, errors etc.). Collected data can be viewed through its web-based interface from which it is possible to consult, analyze and export data in the form of file (.pdf, .csv, .xls, email) for further processing.



## TWO-WAY CONNECTION

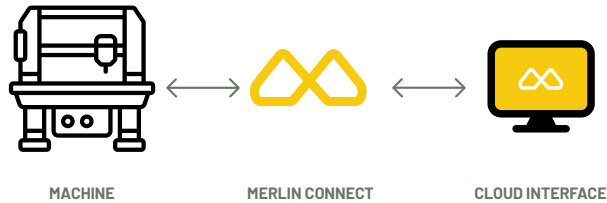
Merlin Connect establishes a two-way connection with the machinery. In this way you get a **double function**: the system collects and processes the data generated in the production phase, and at the same time also allows you to send management commands from the cloud interface to the machinery in order to obtain **remote control** of the interconnected machinery.



## DATA STORAGE

After extracting the data from the machinery, Merlin Connect stores them in specific databases: this function allows you to **store information and create records** which can be consulted to produce reports, statistical analyses and forecasts.

# How it works



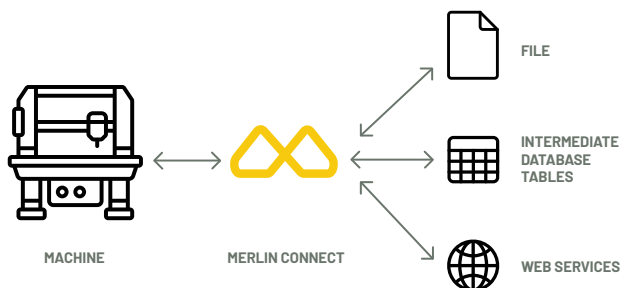
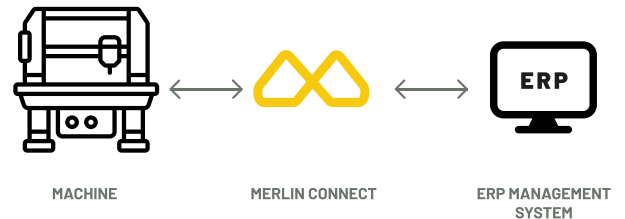
## WITH A CLOUD WEB INTERFACE

Merlin Connect has a **proprietary web interface\*** through which you can view the data produced by the machinery: you just need to log in using your own credentials to consult, analyze and/or export data. Through the platform it is also possible to send remote commands to the machinery and carry out all the related operations. Using this mode you can also connect multiple machinery to have a centralized management of all the company equipment.

\* The web interface is available in multiple languages and it is accessible remotely using any device



## WITH AN ERP MANAGEMENT SYSTEM

Merlin Connect can **import machine data into any ERP system**, where they can be analysed and processed according to your needs. At the same time, it can read or receive data from the ERP system and transmit them to the machines.



## STAND-ALONE

The software collects the machine data so it can export them and make them available as **files, tables, web services or other outputs**. Alternatively, it reads the data from the various outputs and makes them available to the machinery.



**PAOLO ROSSI**  


**MENU**  

- MACHINERIES
- SYNOPTIC
- EVENTS
- LOCATIONING
- LIVE ASSISTANCE
- DATACENTER
- ADMIN

**ACTIVITY**  

- MC 305 KOSMOS TM-DPM
- FE 400 INOX VICO-3
- MC 319 AXIO
- MC 304 ATLAS
- HR2-LV
- MC 302 GEOS
- MC TOP-SYNTHESIS 600

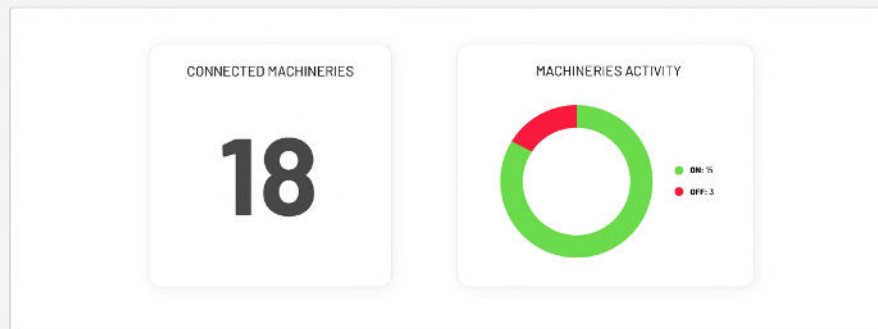
  
**Mecal Machinery**  
Phone: +39 02 51151151  
Email: info@mecalmachinery.com  
Outlook: P.zza Rossi


**Dealer**


**Client**

**Location**

**Machinery**







**MC 305 KOSMOS TM-DPM**

VIEW DATA

SEND DATA


ENTER DATA




**DESCRIPTION**  
4 AXIS CNC FLOOR-TYPE VERTICAL SPINDLE MACHINING CENTER.

**FEATURES**

- 4 axis (X, Y, Z, A) managed by CNC
- By means of dedicated tools it's suitable for working on 5 sides of aluminium, PVC and steel sections
- Easy and compact machine, designed for high performance





**FE 400 INOX VICO-3**

VIEW DATA

SEND DATA

ENTER DATA



**DESCRIPTION**  
DOUBLE HEAD MITRE SAW WITH DISAPPEARING BLADES SPECIFICALLY STUDIED FOR THE TUBULAR STEEL SHAPES.

**FEATURES**

- 7 axes controlled by CNC [cutting length (1), blades inclination (2), rotation speed of the blades (2), forward speed blades (2)]
- Fixed cutting unit on the left. Powered positioning of the mobile cutting unit.

## Web interface

Merlin Connect has its own web interface which is accessible from any device, computer, smartphone or tablet. After logging in using your credentials, you can easily consult and/or process the data produced by the machinery. At the same time it is possible to carry out other operations related to the machines including remote sending of data and/or commands, monitoring of efficiency and performance or recording of events related to the production process. Also the clean, modern design makes it easy for anyone in the company to consult the data and use the platform.



CLOUD



MULTIDEVICE



EASY TO USE



PAOLO ROSSI




HOME

MACHINERIES

SYNOPSIS

EVENTS

LOCATIONS

LINE ASSISTANCE

DATA ENTER

ADMIN

ACTIVITY

MC 305 KOSMOS TM-DPM

FE 400 INDEX VICO-3

MC 319 AF30

MC 304 ATLAS

MC2-4V

MC 307 QEOS S

MC TOP SYNTEBIS 6030



Mecal Machinery

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Contact: Paolo Rossi



## Retailer

MECAL MACHINERY

## Location

Location 3 - Milan

## Client

TORNITURA F.L.L. ROSSI S.p.A.

## Machinery




MC 305 KOSMOS TM-DPM



DATA FOR: MC 305 KOSMOS TM-DPM

Standard View - 1

Page Record 50 Order by

FILTERS

Program

Data

Equal to

From

To

PROCESS

RESET

Settings

Date	Program	Underprogram	Series Number	Pieces	Execution	Control modality	Status
03/05/2022, 09:54:00	9302	5	5	3	ACTIVE	MANUAL	<span></span>
03/05/2022, 09:38:35	9303	8	2	12	ACTIVE	MANUAL	<span></span>
03/05/2022, 06:53:11	9303	8	2	6	ACTIVE	MANUAL	<span></span>
02/05/2022, 04:23:33	9304	3	5	29	ACTIVE	MANUAL	<span></span>
02/05/2022, 03:52:23	9304	3	5	12	ACTIVE	MANUAL	<span></span>
02/05/2022, 03:51:07	9303	9	3	12	IDLE	MANUAL	<span></span>
02/05/2022, 09:37:50	OFF	/	/	/	STOP	MANUAL	<span></span>

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1 / 2

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Page Record 7

## DATA VIEW

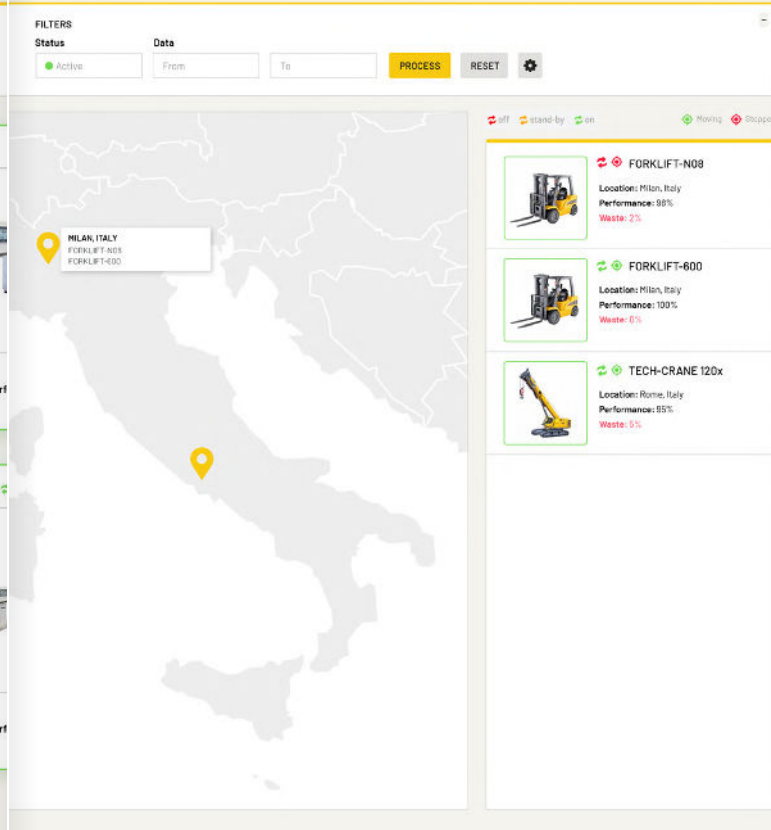
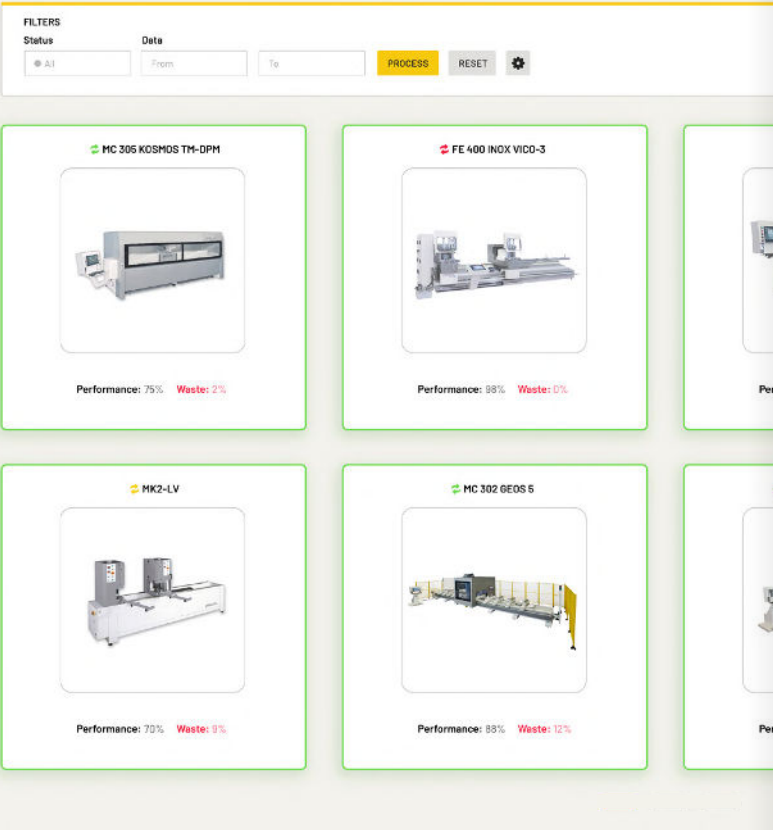
The Data View interface includes all of the main features of Merlin Connect. From this section it is possible to:

- Analyze** machine performance through customizable dashboards and diagrams
- View** the data produced by the machine through the specific grid
- Filter** the data to sharpen the consultation
- Export** data es files (.csv, .pdf) or via email

## DATA SENDING

The Data Sending interface allows **to remotely send command, recipes or data from the platform directly to the selected machine** (two-way connection). This section has a similar configuration to the one of the Data View: in addition to the summary of the machine, there are panels through which you can send commands or consult all of the sent data through customizable filters and diagrams.





## SYNOPSIS

A powerful tool for production departments useful for monitoring alarms, performance and production waste.

## LOCATIONING

Specific feature that allows real-time monitoring of moving vehicles such as cranes, excavators and forklifts.

## SPARE PARTS MANAGEMENT

This section allows users to order components of the selected machine to the supplier directly from the platform through a complete bill of components.

## DATA ENTER

A specific area for recording data and operations that cannot be detected by the machine (e.g. packing operations, information related to the production or the order).

## EVENTS

This feature brings together all of the events related to the platform and to each individual machine in a complete list.

## REMOTE ACCESS

This feature allows a remote connection to the machine (or a video call) in order to carry out maintenance operations without using third-party software.

# ■ Installation



Depending on your needs and the operating mode you choose, Merlin Connect can be installed with two different solutions: on a device provided by us with the software pre-installed and ready for use, or on an existing computer or server which uses Windows OS.



**MERLIN  
BOX**



**SERVER**

# The benefits of 4.0 integration



## REMOTE DATA TRANSMISSION

Merlin Connect's cloud interface allows you to send **power on, power off, reset or management commands** (job or number of workpieces) remotely.



## WORKLOAD MANAGEMENT

By analysing machine productivity and uptime, workloads can be optimised for **smoother and more efficient operation**.



## PREPARATION OF WORK PLANS

Analysing workloads can help optimise machine utilisation, **avoiding peaks or idle times**.



## ERROR ANALYSIS

Early detection of problems that can arise during processing means you can react promptly and **avoid waste**.



## SCHEDULING OF ORDERS

Data analysis enables you to plan work more efficiently, **making order processing smoother**.



## DELIVERY TIMES

Delivery times can be **calculated more precisely using statistics** based on reliable data.



**[www.merlinconnect.it/en](http://www.merlinconnect.it/en)**

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