A close-up photograph of a blue industrial machine, likely a plate rolling mill, with large metal rollers and curved blue frames. The machine is processing a metal plate.

# **SAMESOR** **PREFAB ADVANCED** **for steel framing**

# SAMESOR PREFAB ADVANCED

SAMESOR **PREFAB ADVANCED**: FROM DESIGN TO MANUFACTURING.  
CAD-CAM BASED SYSTEM FOR PREFABRICATED STEEL CONSTRUCTION



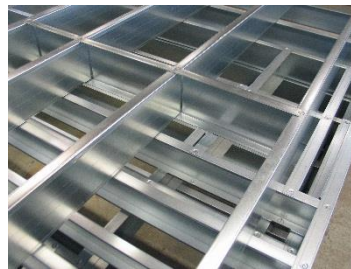
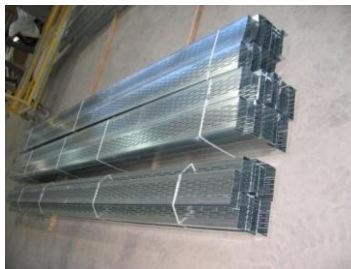
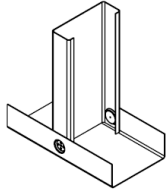
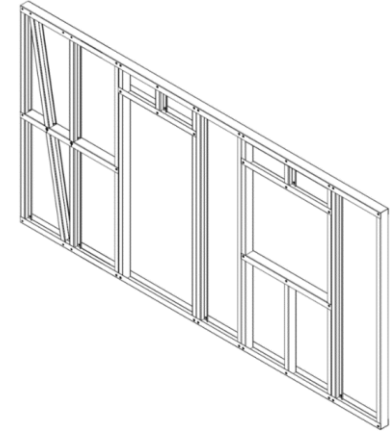
**PREFABRICATED = DESIGN – FABRICATE – BUILD – LIVE**



# SAMESOR PREFAB ADVANCED

SAMESOR PREFAB ADVANCED: IMPROVING **SPEED** AND **ACCURACY** OF BUILDING PROCESS

- + INTEGRATED **3D-MODELLING & CAD-CAM** PRODUCTION
- + **C AND U MEMBERS** (*STUD AND TRACK*) WITH ALL THE NEEDED DETAILS LIKE SCREW HOLES, THROUGH HOLES, OPENINGS, ...
- + MEMBERS PRODUCED **FROM THE SAME SHEET WIDTH** ("C-IN-U" STRUCTURES)
- + **STRUCTURES, ELEMENTS AND FRAMES** FOR VARIOUS BUILDINGS
- + **AUTOMATED** PRODUCTION



COIL – PROFILE – ELEMENT – FRAME – BUILDING

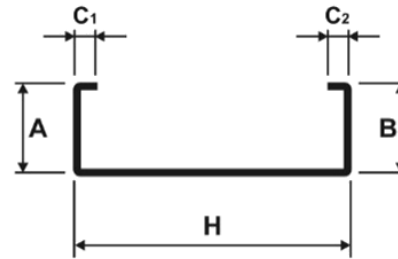
# SAMESOR PREFAB ADVANCED



RESIDENTIAL HOUSES, VILLAS, OFFICE BUILDINGS, SOCIAL PREMISES, MODULE CONTAINERS, FAÇADE ELEMENTS, ...

# SAMESOR PREFAB ADVANCED

- + **PROPER SELECTION** OF PROFILES SERVING STRUCTURAL NEEDS
- + MEMBERS HAVING **ALL THE NEEDED DETAILING**
- + MEMBERS FOR FRAMES PRODUCED IN **JUST-IN-TIME METHOD**

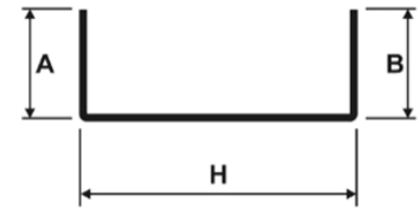


H = 50 - 300 mm

A/B = 50 mm

C<sub>1</sub>/C<sub>2</sub> = 12 mm

T = 0.7 - 2.0 mm



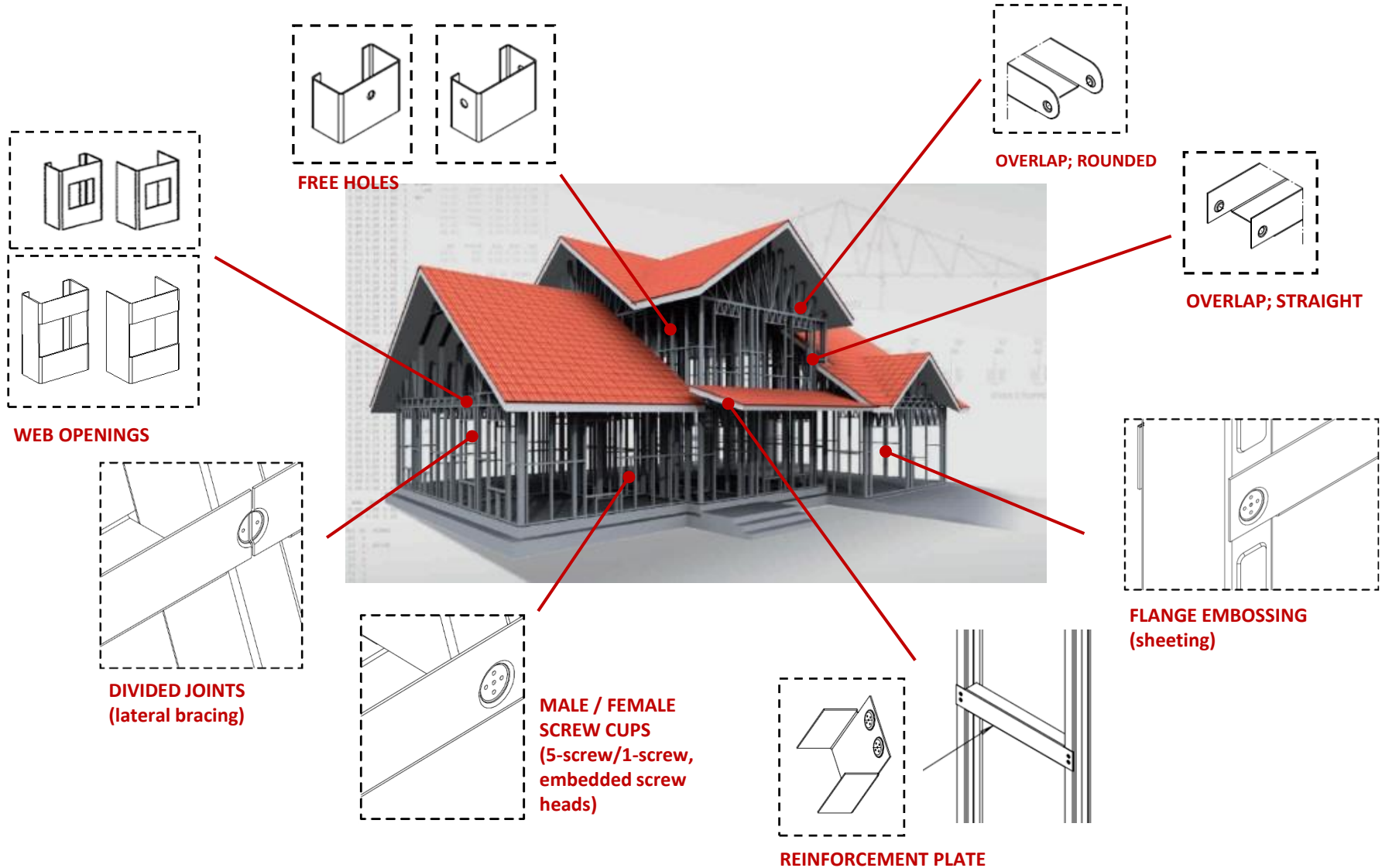
H = 50 - 300 mm

A/B = ~ 63 mm

T = 0.7 - 2.0 mm



# SAMESOR PREFAB ADVANCED



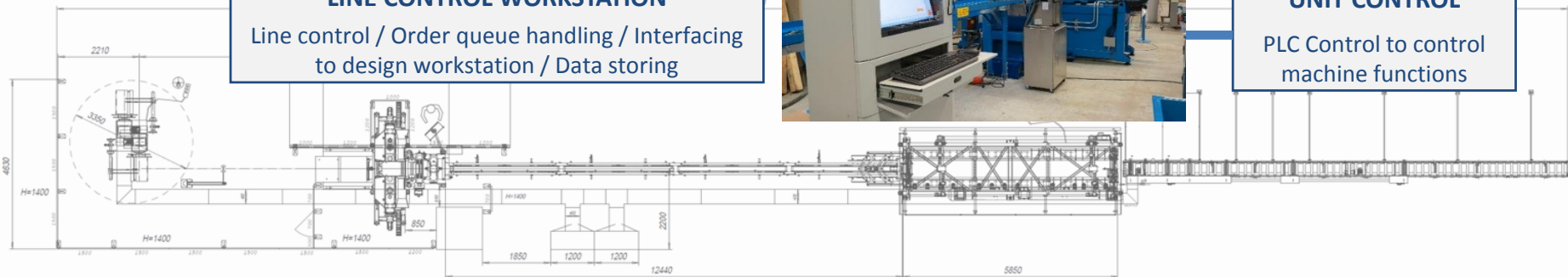
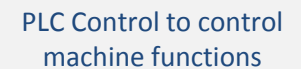


## DESIGN ENGINEER WORKSTATION



## SAMESOR PREFAB ADVANCED PRODUCTION LINE

Line control / Order queue handling / Interfacing  
to design workstation / Data storing



# SAMESOR PREFAB ADVANCED

## SAMESOR CAD-CAM INTERFACE

Customer's  
CAD

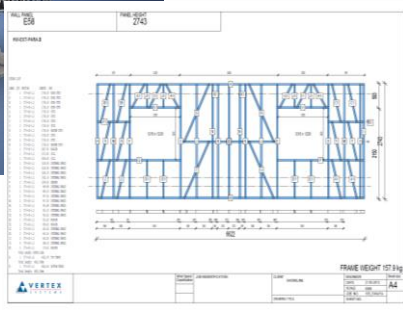
Connection  
macros

Element  
configurator

Transfer  
file (XML)

SameCAM link

Samesor UI

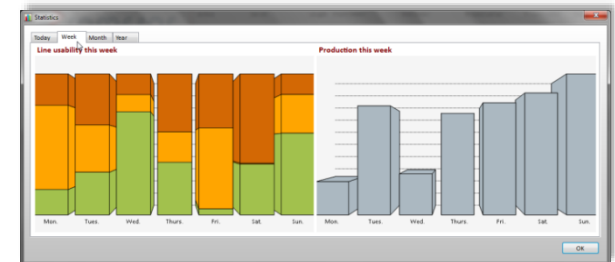
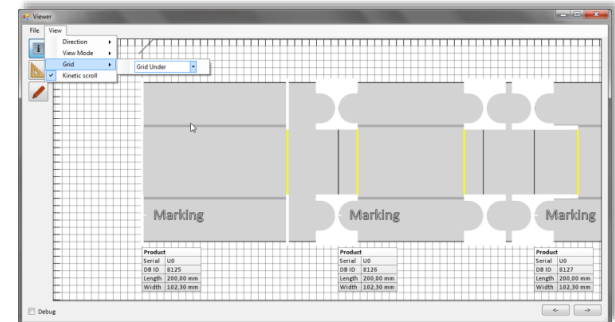
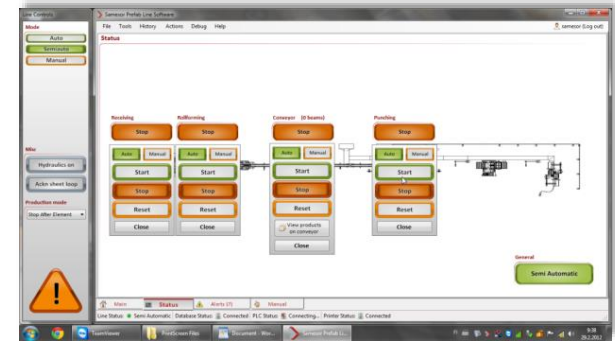
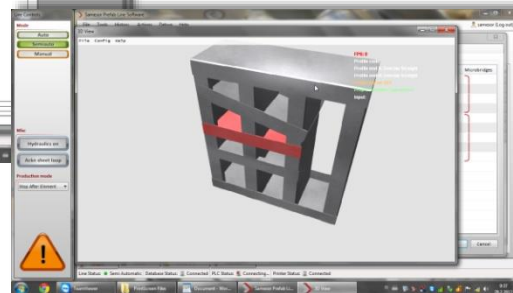
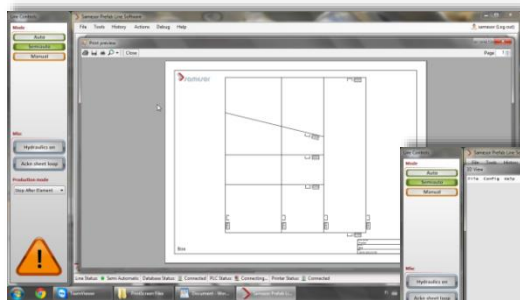




# SAMESOR PREFAB ADVANCED

## Line control system (Workstation)

- + State-of-the-Art User Interface
- + Flexible order queue handling. Varied tools to manage and create products
- + User friendly graphic screens for device control
- + Advanced tools to view products and production: e.g. strip view to check perforations, 3D view to explore element, versatile status and statistics monitoring, ...



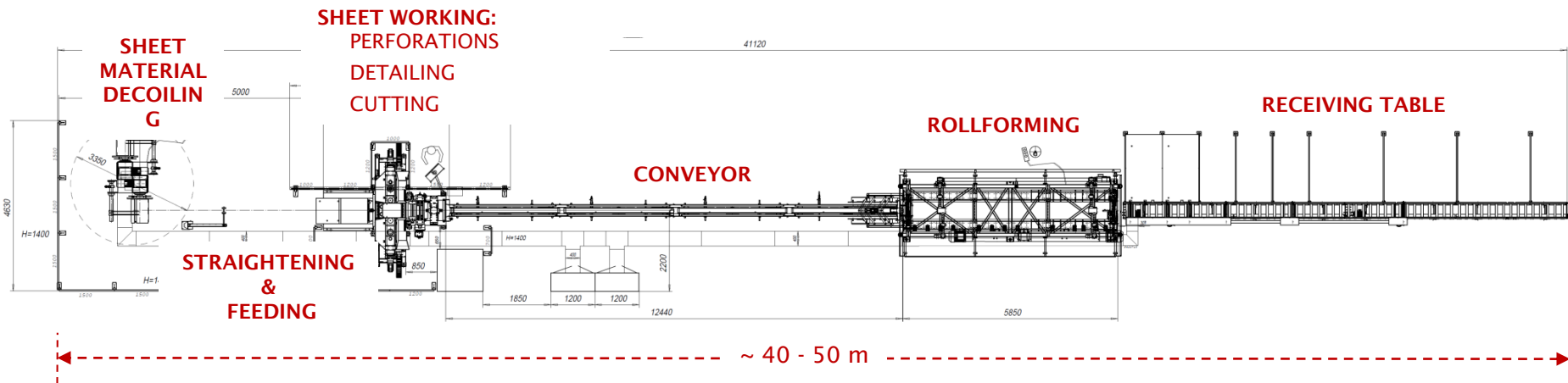
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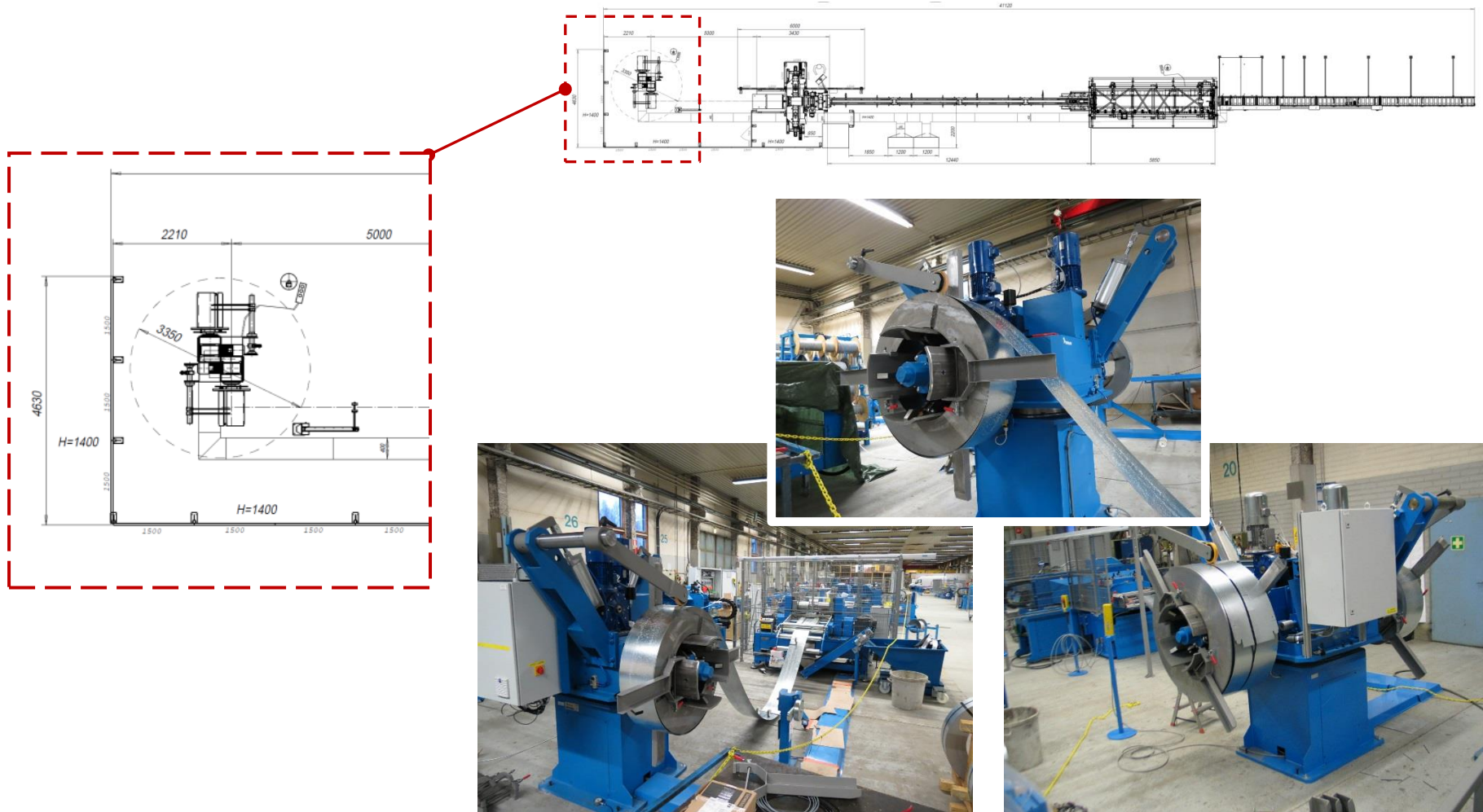
# SAMESOR PREFAB ADVANCED

## SAMESOR PREFAB ADVANCED PRODUCTION LINE

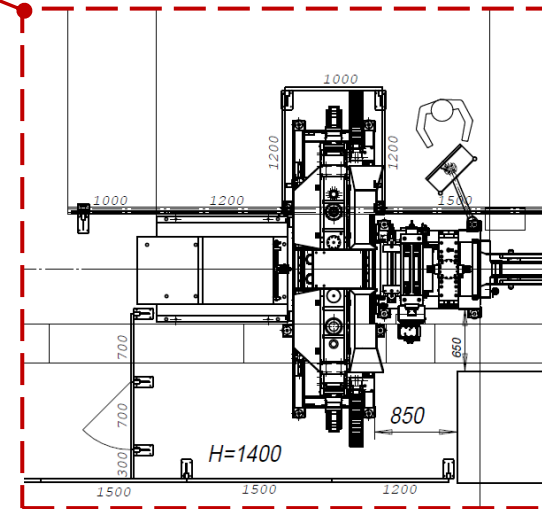
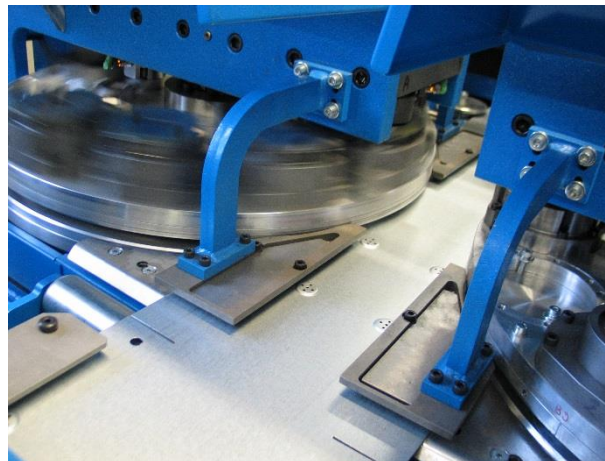
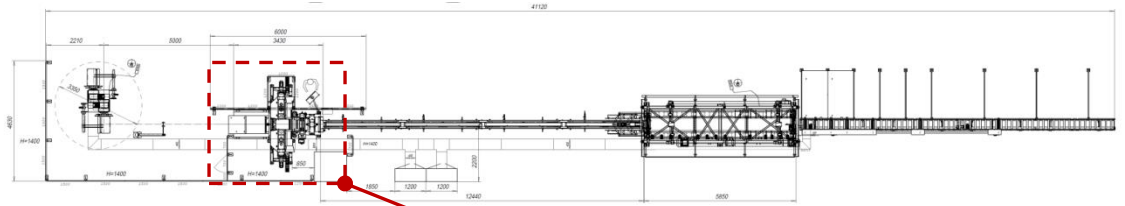




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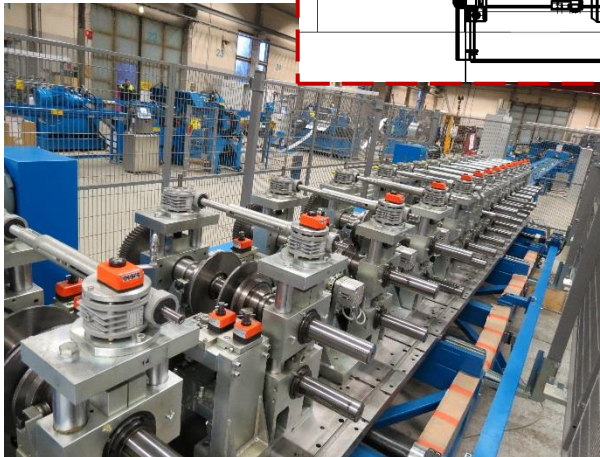
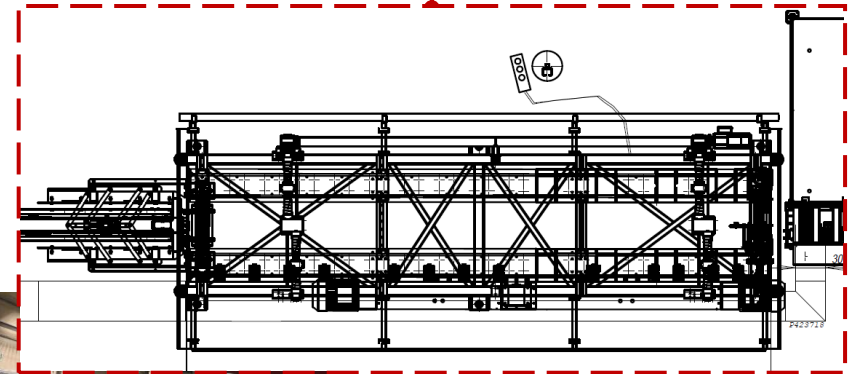
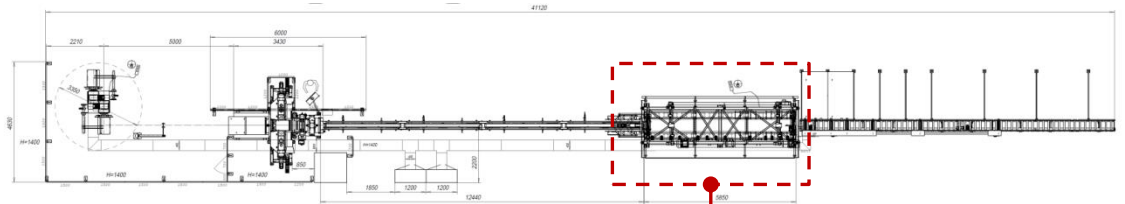


# SAMESOR PREFAB ADVANCED





# SAMESOR PREFAB ADVANCED



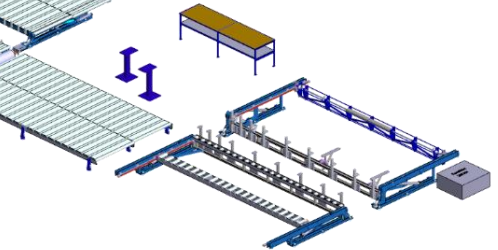
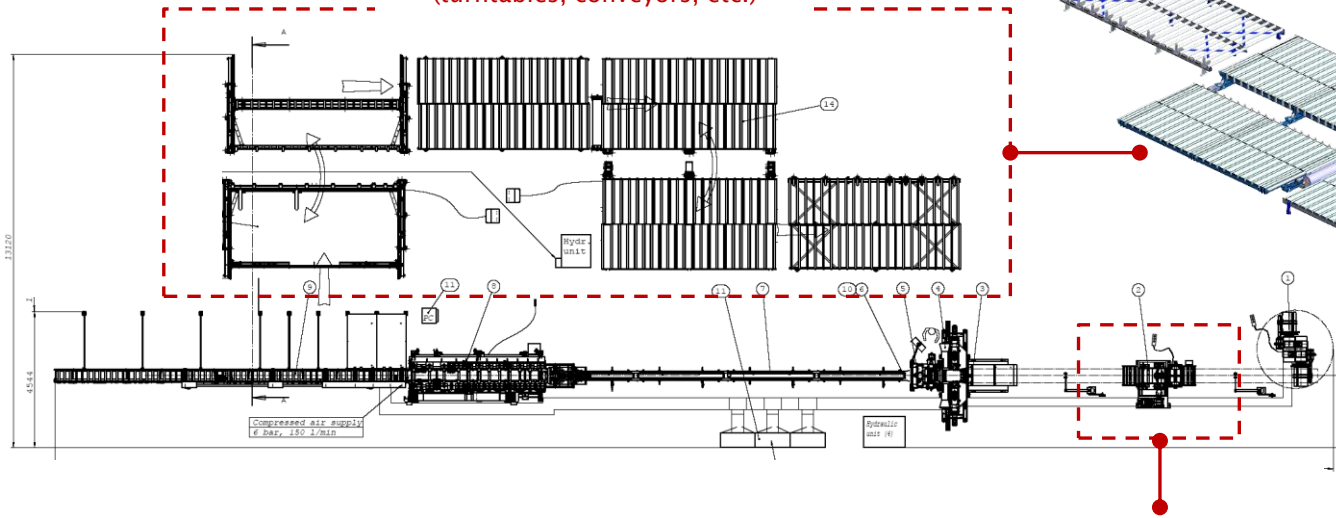




# SAMESOR PREFAB ADVANCED

EXPANDABLE WITH ADDITIONAL DEVICES LIKE:

**FRAME ASSEMBLY STATIONS**  
(turntables, conveyors, etc.)



**THERMOSPLITTING MACHINE**



# SAMESOR PREFAB ADVANCED

## SOME MAIN POINTS TO REMEMBER



- + Efficient design application  
**integrated** to production solution



- + Proper selection of **profiles and detailing** that serves structural needs



- + **Flexible, efficient and high quality**  
production machinery



- + **Expandability** for future requirements



# SAMESOR PREFAB ADVANCED







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