

# POZZILaB

PROJECT

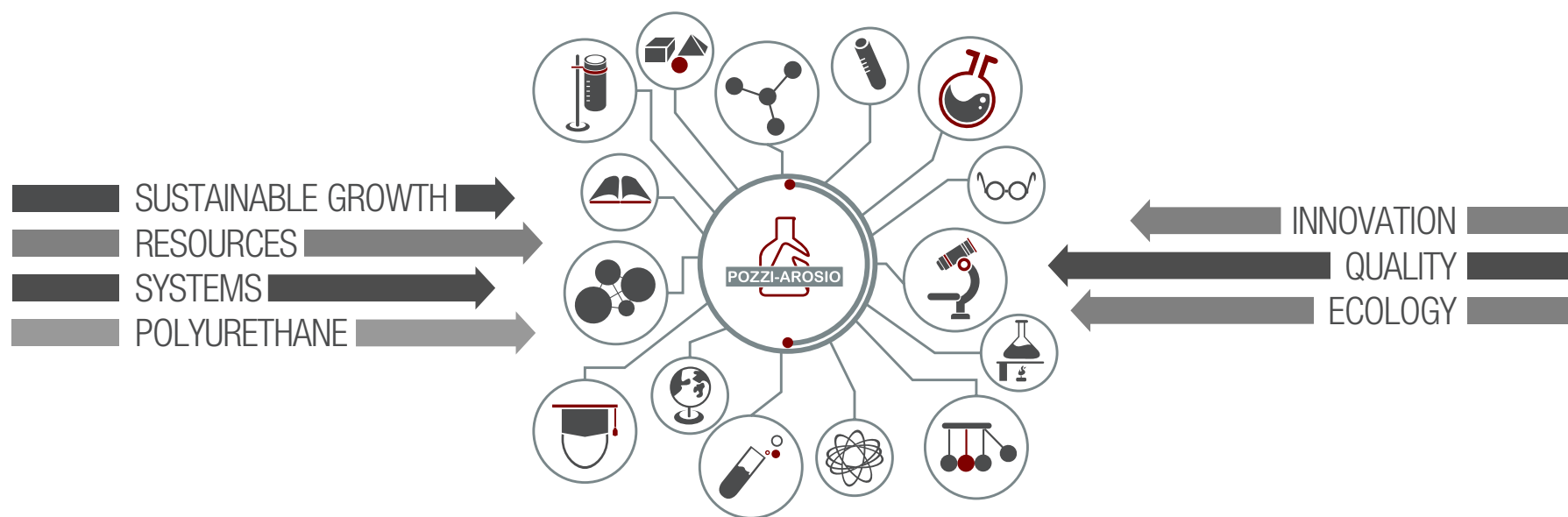
## rigid foam & DIP PRINT decoration



ADVANCED  
POLYURETHANE SYSTEMS

POZZI INDUSTRIES

MADE IN ITALY



## THE PROJECT

## MODEL

## MOLD

## PU SYSTEM PRODUCTION

## DIP PRINT

## FINAL RESULT

concept   system definition and final draws   equipment definitions   model   mold   PU system   release agent   raw piece   production steps   products

# MILESTONES

**POZZI**LaB  
rigid foam & DIP PRINT



**POZZI**INDUSTRIES  
MADE IN ITALY

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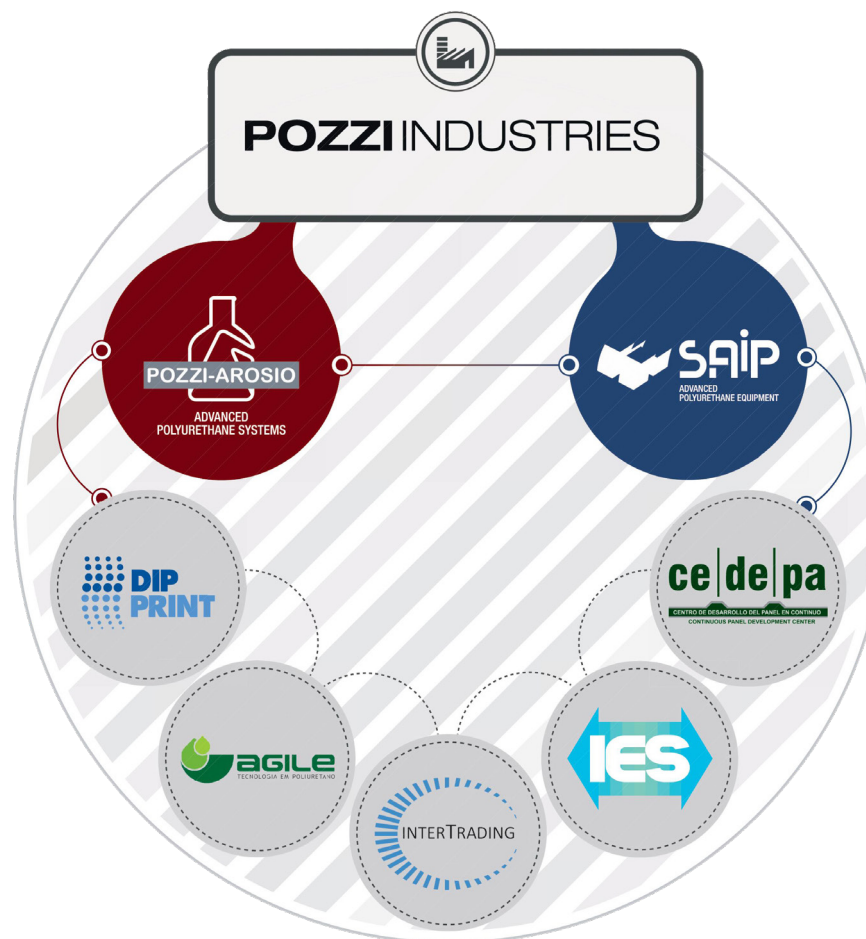
concept   system definition and final draws   equipment definitions   model   mold   PU system   release agent   raw piece   production steps   products

**POZZI**INDUSTRIES  
MADE IN ITALY

## IDEA and its CONCEPT.

**NOT ONLY** a number of Companies  
but a strong and well defined Group.

Pozzi Industries is the synergy of competences in chemical, equipment, research, surfaces and decoration. We can provide high quality solution for a single customer necessity, or organize a synergic multicompany answer to complex requests.



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# RIGID FOAM

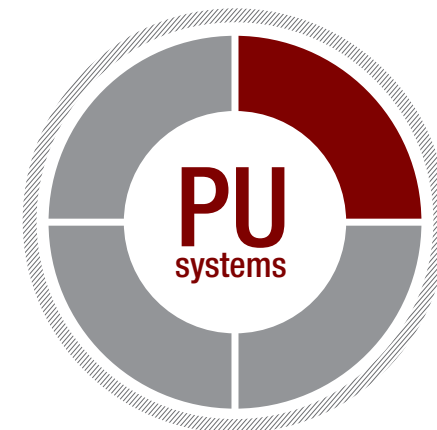
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rigid foam & DIP PRINT

## TRADITIONAL PROCESS



## INMOLD PROCESS

discover  
**POZZI AROSIO  
SOLUTION**  
.....➔



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model

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mold

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PU system

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raw piece

### DIP PRINT

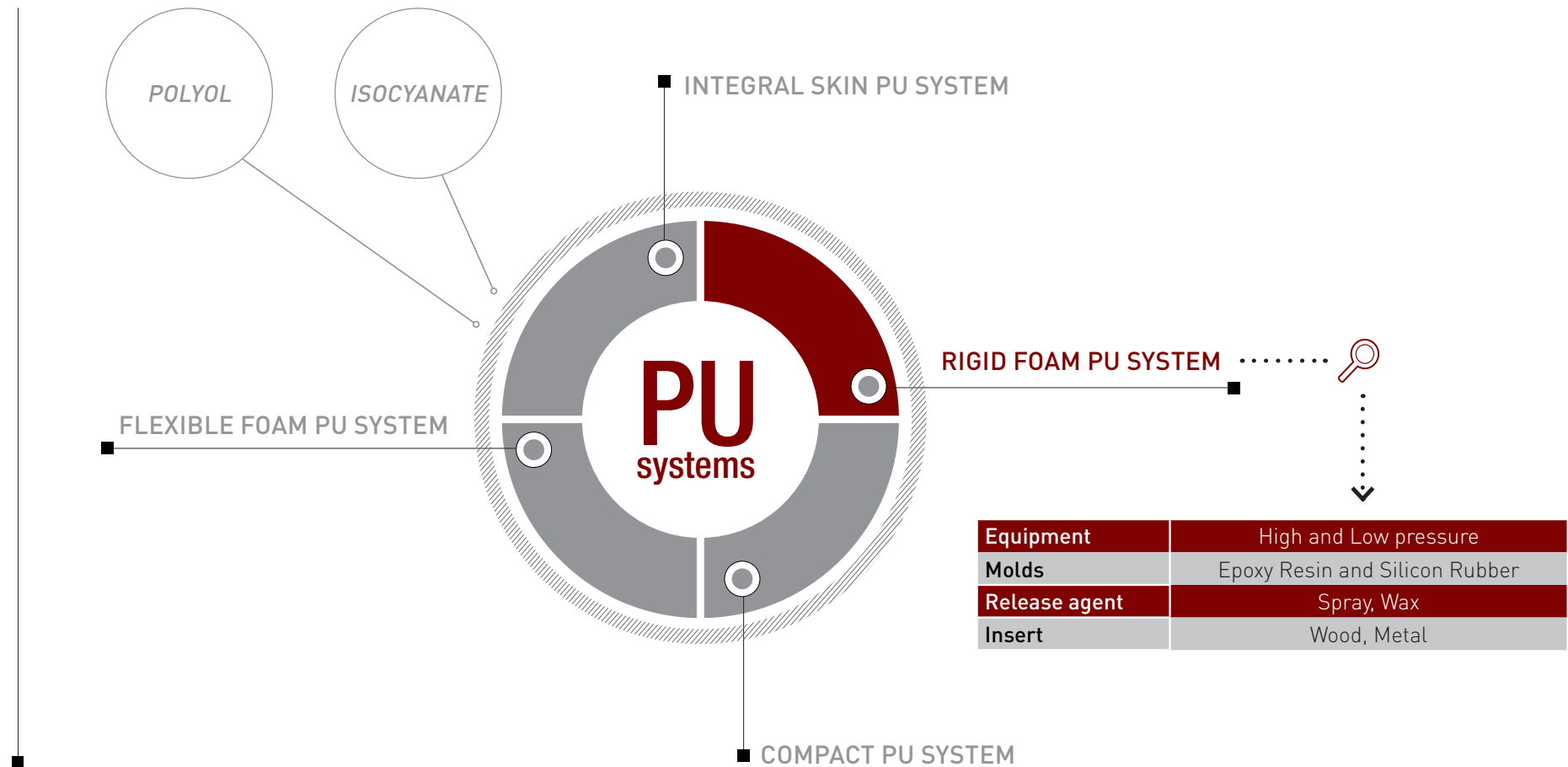
production steps

### FINAL RESULT

products

# PU SYSTEM

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rigid foam & DIP PRINT



## THE PROJECT

## MODEL

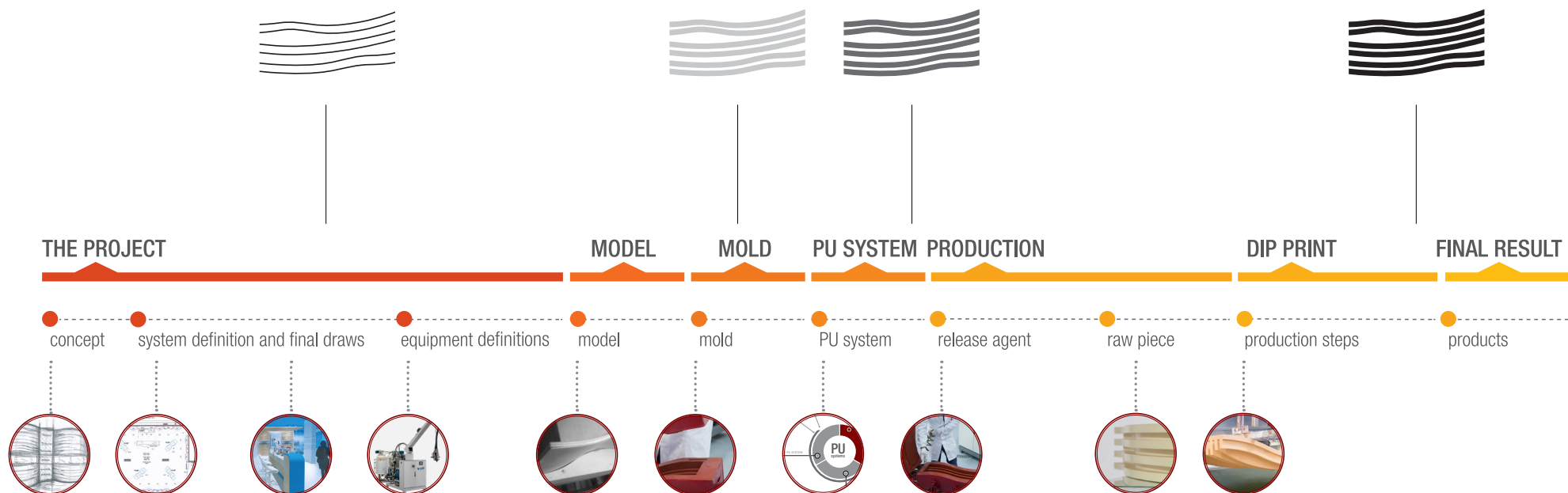
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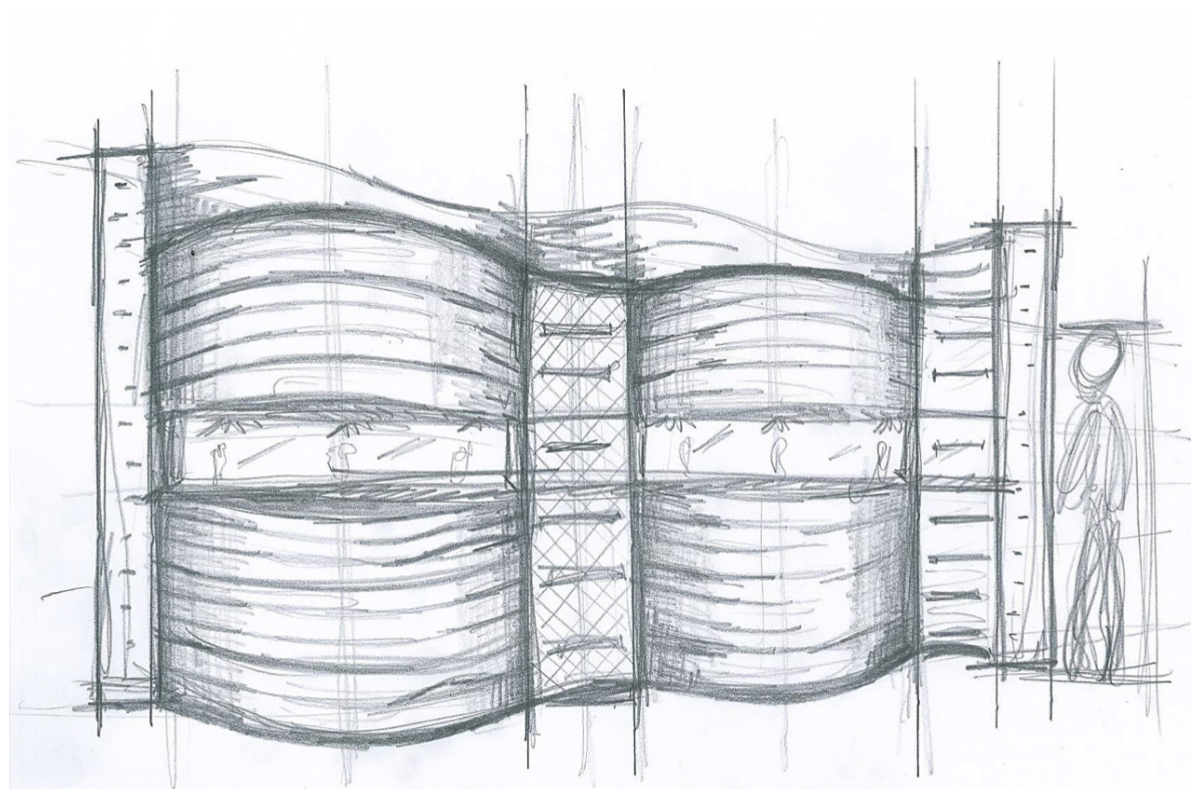
products



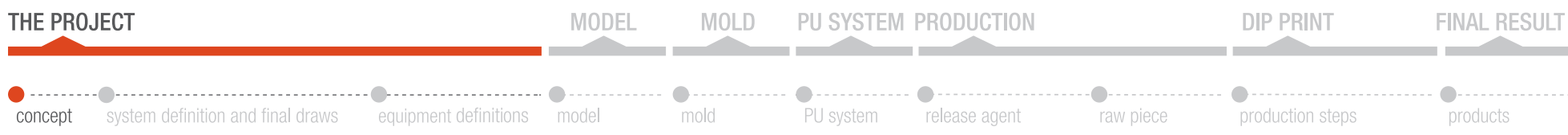
# **CONCEPT**

**POZZILaB**  
rigid foam & DIP PRINT

It all begins with an  
**IDEA** and its **CONCEPT**.



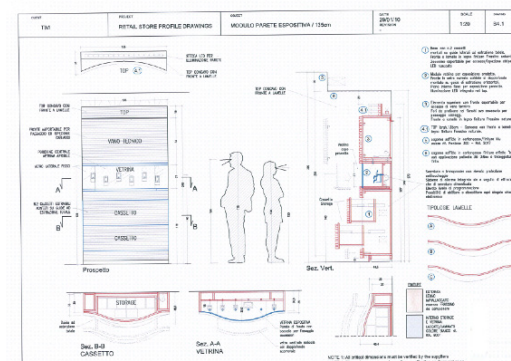
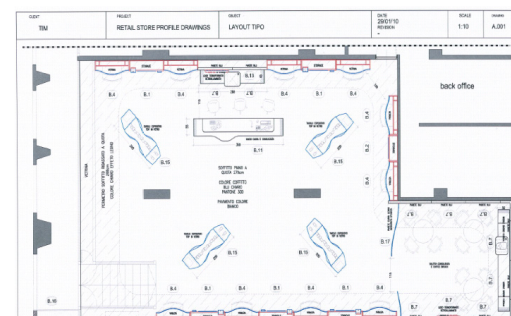
## THE PROJECT



# SYSTEM DEFINITION & FINAL DRAWS

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to engineerize your idea



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# EQUIPMENT DEFINITIONS

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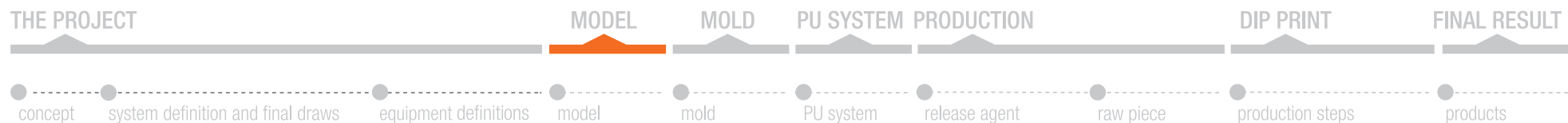
**The correct equipment**  
for the correct work  
and color for coloured pieces.



## THE PROJECT



# MODEL



# MODEL DETAILS

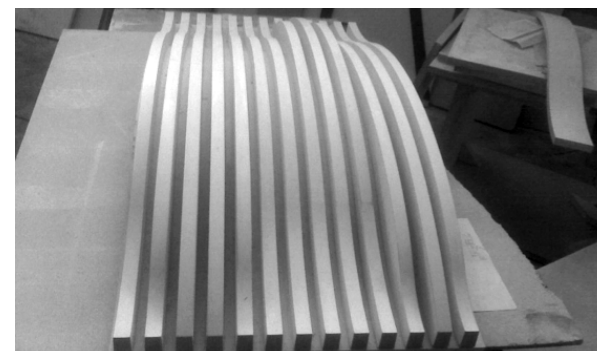
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## The model

will be the positive piece  
for the moulder

## All details will be

verified and approved



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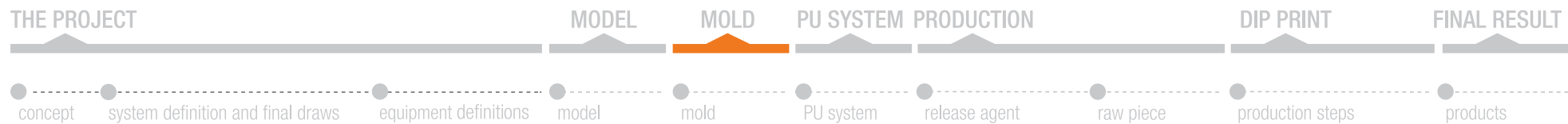
## PRODUCTION

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## FINAL RESULT



# MOLD





# MOLD

**POZZILaB**  
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**Epoxy resin mold**  
designed to contain  
high pressure formulate



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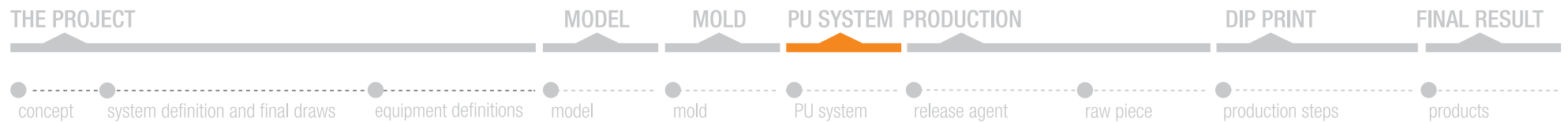
## PU SYSTEM PRODUCTION

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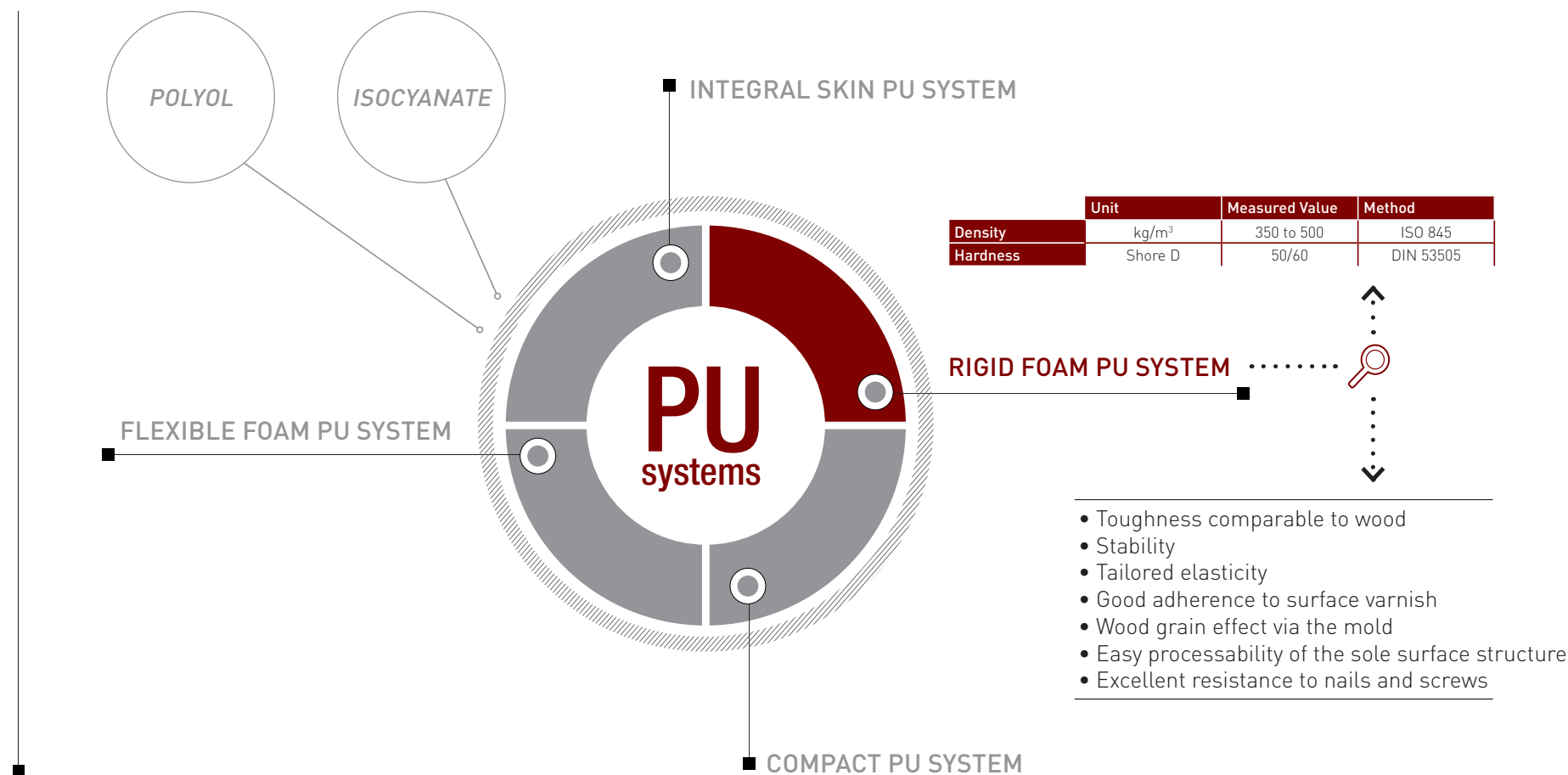
# PU SYSTEMS





# **PU SYSTEMS**

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rigid foam & DIP PRINT



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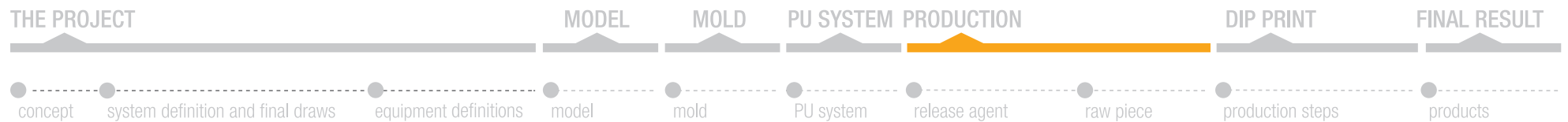
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# PRODUCTION



# RELEASE AGENT AND POURING

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A special mix of solvents especially produced go grant the optimal release of final piece.



Polyurethane is spread into the mould with SAIP equipment.



Polyurethane becomes hard and it's possible to open the mold. It takes the form of the mold.



The correct choice of Polyurethane System will generate the better result and the optimal characteristics.



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# RAW PIECE

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rigid foam & DIP PRINT



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# RAW PIECE

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rigid foam & DIP PRINT



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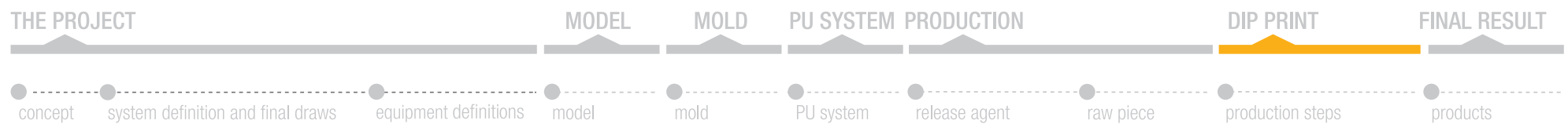
## PU SYSTEM PRODUCTION

## DIP PRINT

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# DIP PRINT





# DIP PRINT - the system

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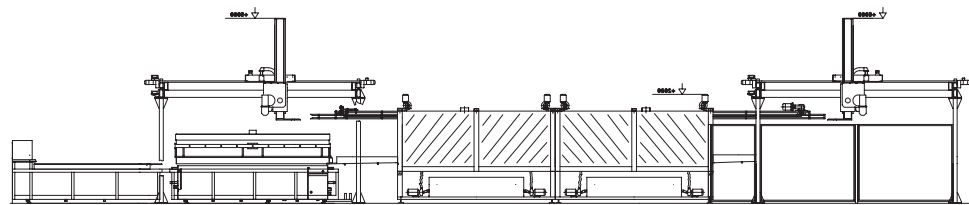
# DIP PRINT - production steps

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rigid foam & DIP PRINT



**BASE COAT  
ON SUPPORTS**

Polyurethane objects  
ABS objects  
Plastic objects  
Metallic objects  
Glass objects  
Various density wood fibers



**TOP COAT  
ON DIPPED PIECES**

A transparent top coat  
is applied to protect the  
printed surface.

The main process is developed in five steps:

FILM PRINTING

ACTIVATOR

TRANSFER

FILM REMOVAL

DRYING

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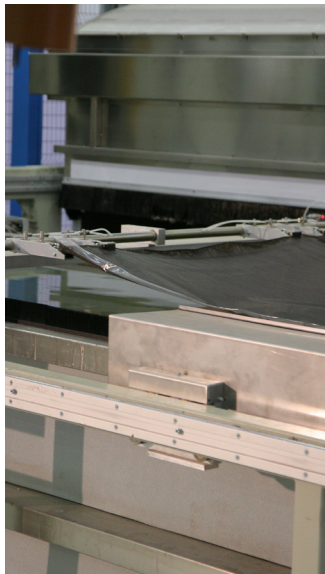
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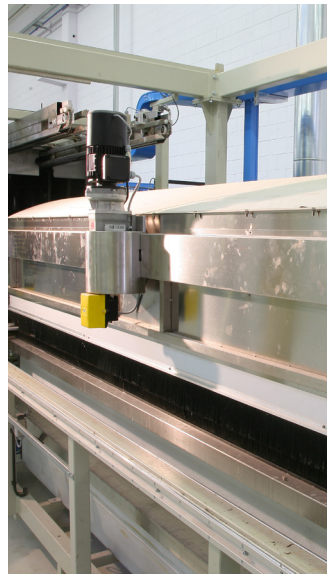
# DIP PRINT - production steps

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The pattern or design is printed on a water soluble film that it is layed on the water surface in the immersion tank.



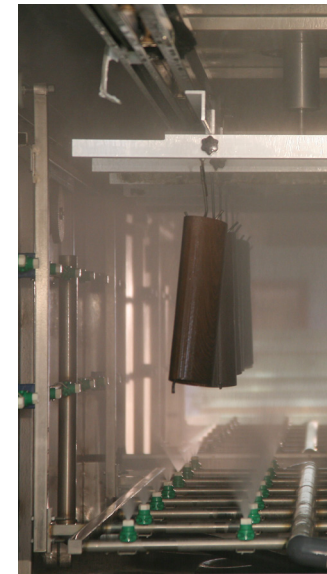
The film is specially treated to activate the inks. The film is activated by an autonzized Patented Activator, release by high pressure guns.



The film is floated out onto the water and the product to be decorated is pressed down into the film to effect the transfer.



Having fulfilled its role as the medium for the print transfer, the film is washed away.



Water which has adhered to the product (material) during transfer is dried off.



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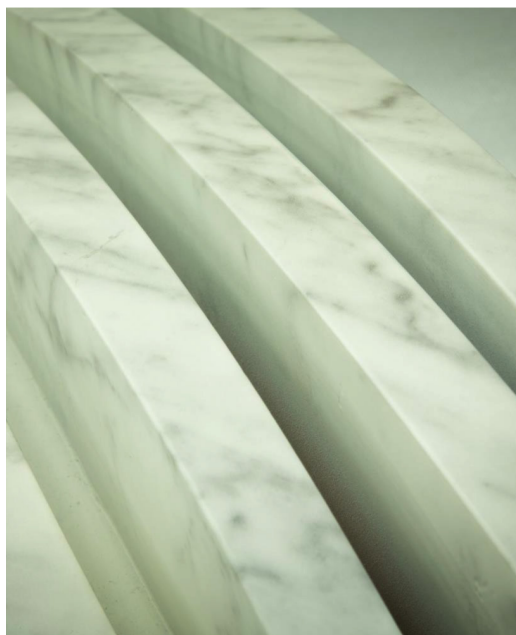
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# PRODUCTS

**POZZILaB**  
rigid foam & DIP PRINT



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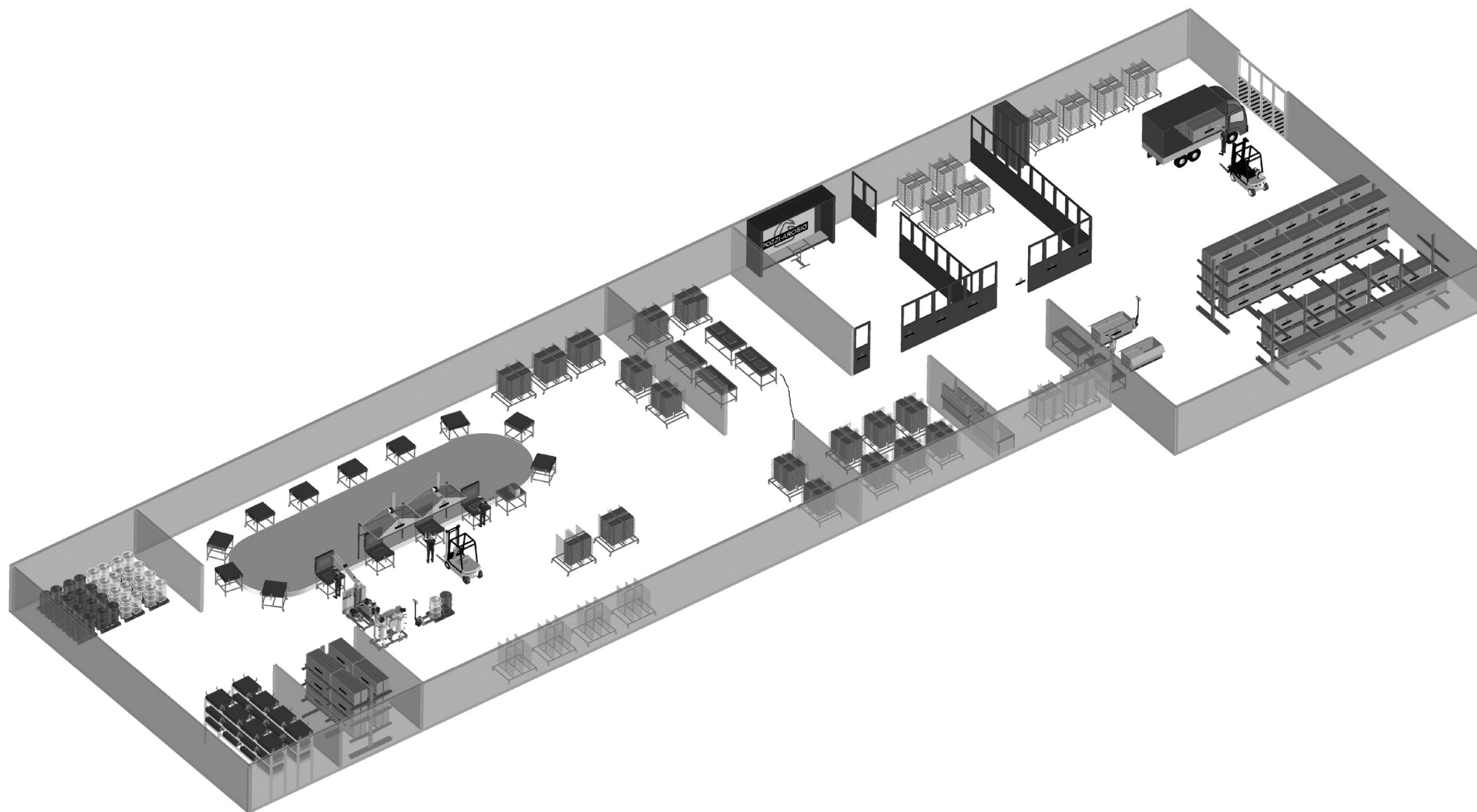
production steps

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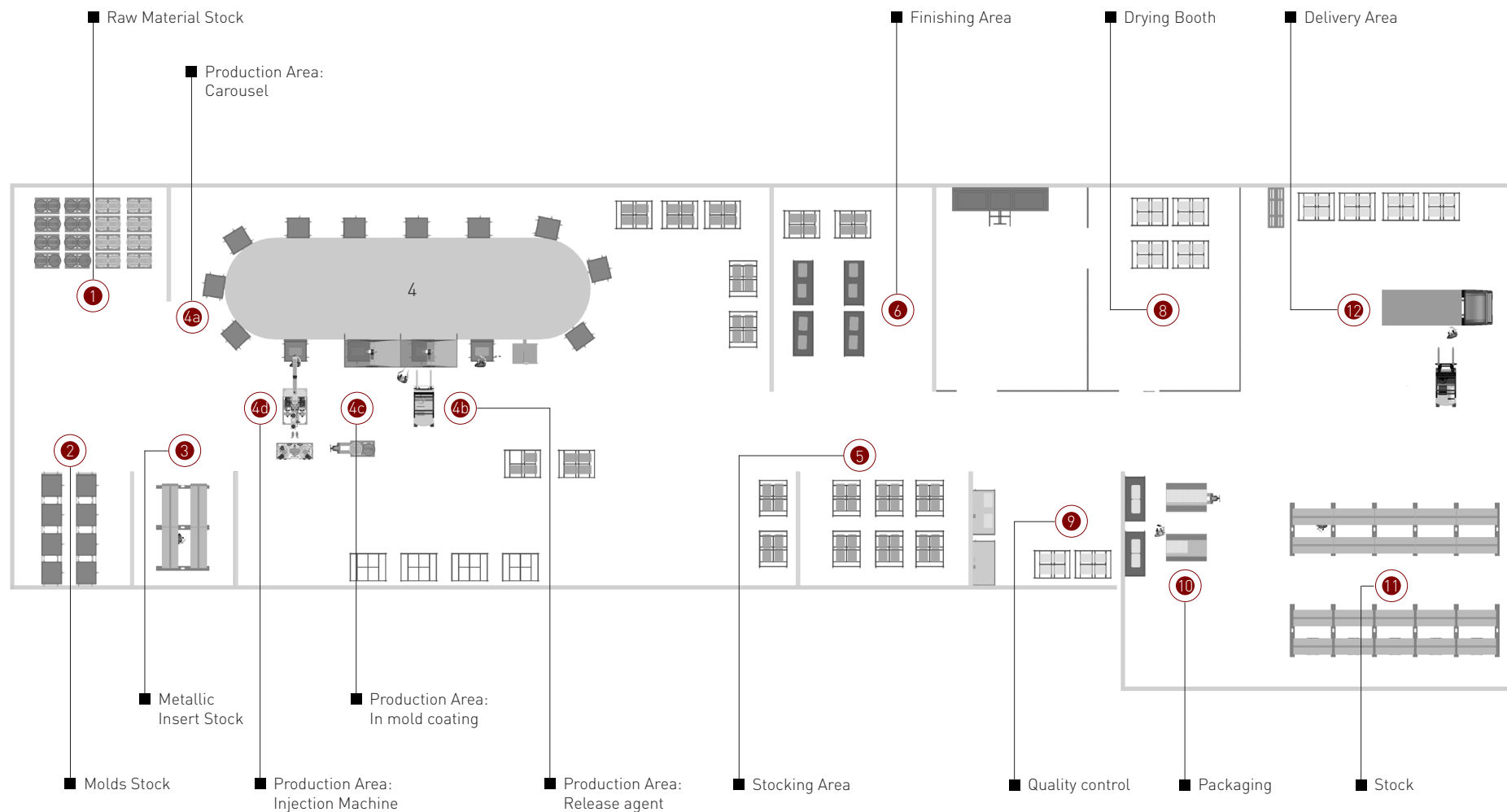
# PRODUCTION

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rigid foam & DIP PRINT



# PRODUCTION

**POZZILaB**  
rigid foam & DIP PRINT





ADVANCED  
POLYURETHANE SYSTEMS

# WHAT ELSE?

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[www.pozziarosio.com](http://www.pozziarosio.com)

## CERTIFICATIONS



Management  
System  
ISO 9001:2015

[www.tuv.com](http://www.tuv.com)  
ID 9105071179

