

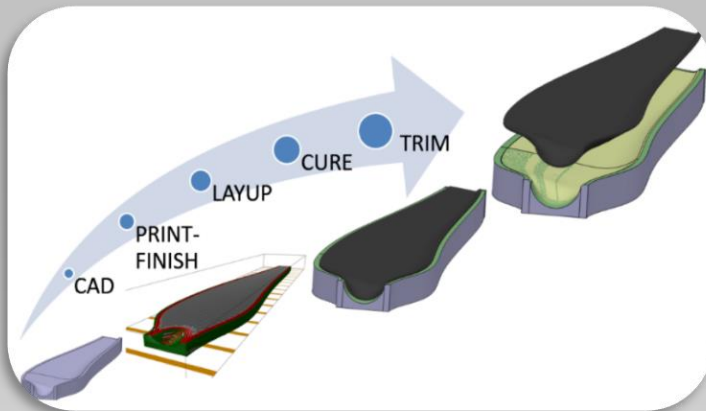
INGERSOLL

Machine Tools

ADDITIVE MANUFACTURING

Ingersoll MasterPrint Wide & High Additive Manufacturing

INDUSTRIAL COMPOSITE 3D PRINTING



PRINTING PROCESS FITTING
INTO GLOBAL COMPOSITE
MANUFACTURING

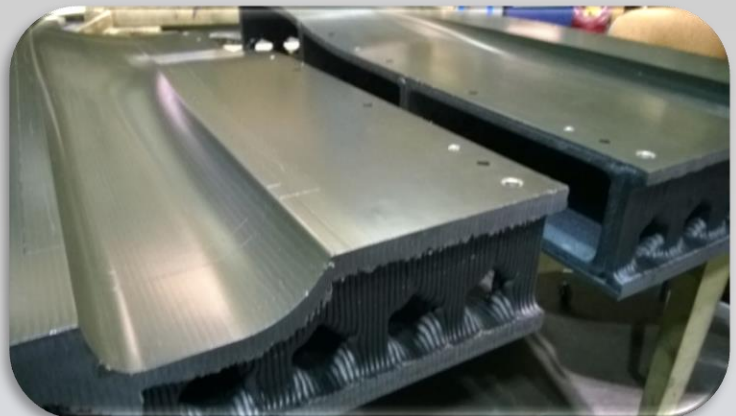
WITH REMARKABLE
ADVANTAGES
IN COST & LEAD TIMES

A SIGNIFICANT TECHNOLOGICAL STEP

That provides with significant time & cost saving to manufacture Tooling, molds and parts.

INGERSOLL has developed this technology and can support your own development through :

- Production of test parts or prototypes
- Deliver turn key printing equipment
- Upgrade your existing equipment

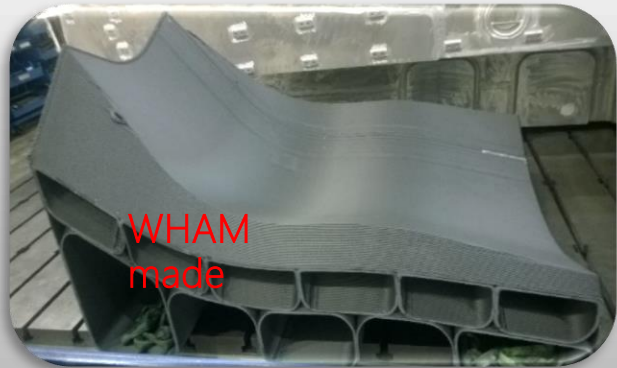
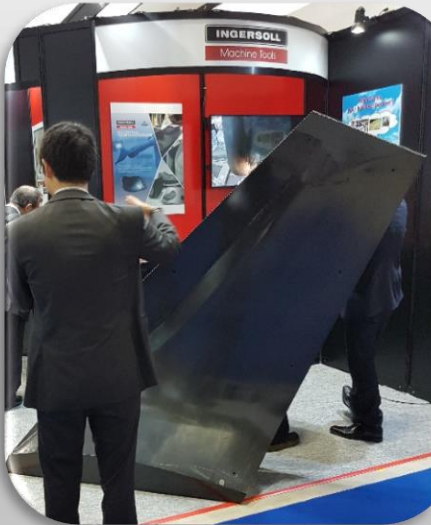


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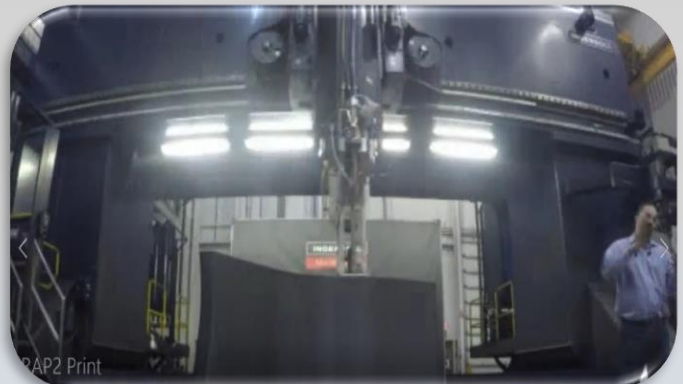
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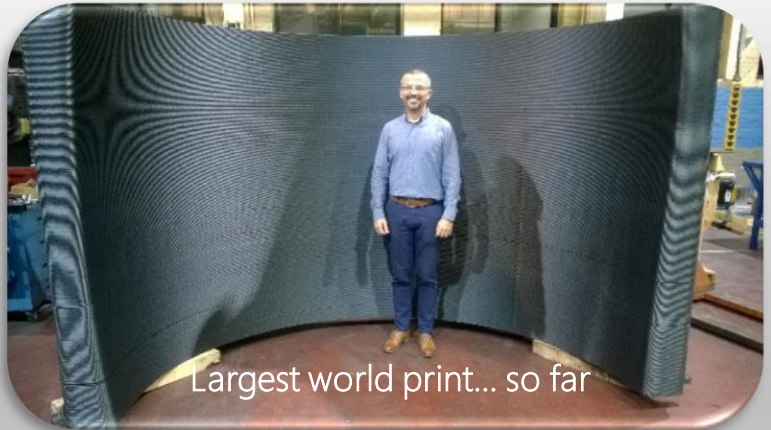
ADDITIVE MANUFACTURING

A REAL TECHNOLOGY BREAKTHROUGH



EXPENSIVE TOOLING DESIGN CAN BE
MADE OUT OF PRINTED COMPOSITE
WITH INCOMPARABLE TIME AND
COST SAVINGS !



ALMOST NO LIMIT OF PART SIZES**TEST PARTS OR PROTOTYPES
DEVELOPMENT**

Our engineering team based in Rockford IL, is performing many test parts for different industrial sectors.

INGERSOLL is capable to manufacture very large size part designs based on your CAT prototype part files.

Together your R&T team and INGERSOLL team will assess any type of part prototyping with various composite material options depending on final applications, from trimming tools to autoclave-proof molds.



INGERSOLL

Machine Tools

ADDITIVE MANUFACTURING

OUR EXPERTIZE & KNOW-HOW AT YOUR SERVICE



ROBO WHAM up to 2 m³



MINI WHAM up to 4 m³



MASTER WHAM any size

DELIVER TURN-KEY EQUIPMENT

From Ingersoll historical machine design know-how, the range of **MasterPrint** machinery is now available.

Depending on manufacturing envelopes, the **MasterPrint** architecture range exists in 3 models from robotic structures to cartesian axes gantries.

A **MasterPrint** equipment is optionally convertible to Hybrid version to combine trimming, fiber placement or tape laying as well

UPGRADE YOUR EXISTING EQUIPMENT

In case you already own some appropriated equipment, our engineering team can assess the possibility to integrate 3D Printing modules on it.

An existing equipment such as Fiber placement Robot, trimming gantry, tape layer gantry or other similar structures, could be converted to 3D composite Printing installation.



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