Smart **software solutions**
for your business

hyperlean®

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hyperlean®

Hyperlean develops and sells innovative software tools to support the product development cycle and the management of the company's know-how. All the tools aim at simplifying industrial processes and data management to reduce time to market and guarantee the high quality of the products.

Thanks to a team composed of 30 people, today Hyperlean is an important supplier of the biggest industrial groups belonging to Machinery, Automation, Automotive, Plant Design, Oil&Gas, Aviation industries.

Partners

UNIVERSITÀ POLITECNICA DELLE MARCHE   BIESSE   crit   ADACI Associazione Italiana Acquisti e Supply Management

Resellers

phylos   PRICE   thinkline CAD · CAM · PLM SOLUTIONS   CDM Tecnoconsulting   CCSTEAM Engine of Your Business

2010	2012	2015	2016	2017
Hyperlean was born	**Launching LeanCOST on Italian market**	**Launching LeanCOST on foreign market**	**Launching LeanCOST Educational**	**Hyperlean becomes Innovative SME...**
The adventure has just begun from the business tables and the world of academic research	LeanCOST becomes a registered trademark	LeanCOST begins its journey in Europe	the version designed for students and teachers has released	...thanks to important investments in Research & Development and our highly qualified staff

LeanCOST
WHAT IS IT?

LeanCOST is the innovative solution for Design to Cost

LeanCOST simplifies and speeds up the analysis of manufacturing costs starting from the earliest design stages.

Thanks to the integration with the most popular 3D CAD systems, it automatically obtains the geometric characteristics of the product and defines the needed manufacturing processes. Ensuring speed and accuracy, it optimizes the time spent on costing and allows the selection of the most convenient alternatives.

In which sectors?

Machine Tools

Packaging Machinery

Wood, Ceramics, Paper Machinery

Agricultural Machinery

Industrial Automation
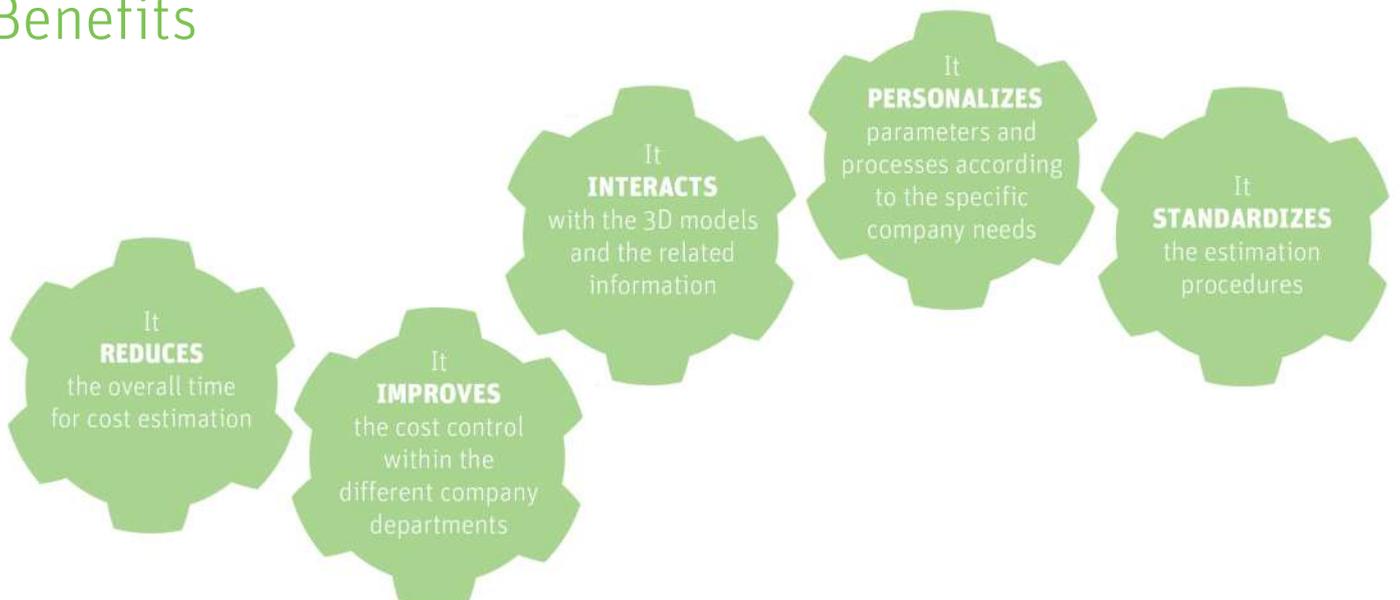
Mechanical Components

Automotive

Oil & Gas

Defense

Manufacturing for Third Parties

Benefits

It **REDUCES** the overall time for cost estimation

It **IMPROVES** the cost control within the different company departments

It **INTERACTS** with the 3D models and the related information

It **PERSONALIZES** parameters and processes according to the specific company needs

It **STANDARDIZES** the estimation procedures

LeanCOST
WHO USES IT?

LeanCOST simplifies the work of those managing costs

LeanCOST allows, through dedicated user interfaces, the exchange of information between the different involved figures. Each team analyzes the product cost with a different level of detail and has the right tool to work effectively.

DESIGNERS
to develop sustainable projects also from an economic point of view, considering process costs and defining the most efficient design variables.

TECHNOLOGISTS AND COST ANALYSTS
to choose the best production technologies by comparing different production strategies and predicting costs and time on both single components and assemblies.

PURCHASE DEPARTMENT
to evaluate the product economic feasibility in terms of "make or buy" and compare quotes from different suppliers by managing more manufacturing countries or suppliers' networks.

SALES DEPARTMENT
to quickly estimate the manufacturing costs and cost variability according to the quantities produced, and to send quotes in an automatic way based on customers' needs.

LeanCOST
HOW DOES IT WORK?

3D Model import
Geometry + attributes

Without 3D model | Import from STEP | Import from IFC | Import from PCF | Import from Inventor | Import from NX | Import from ProE | Import from Creo | Import from Solid Edge | Import from Solid Works | Import from Catia

INPUT
Automatic analysis of product geometry and extraction of geometric parameters starting from the upload of the 3D CAD model and design specifications.
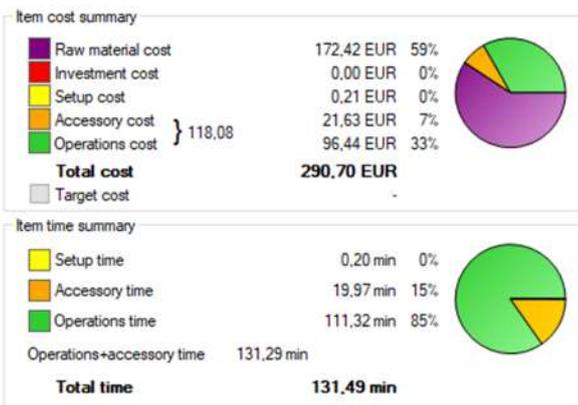
Recognition
Raw material — **Manufacturing process**

ANALYSIS
Recognition of manufacturing processes thanks to a database with data on raw materials, machines and cost models, customizable according to company's needs.
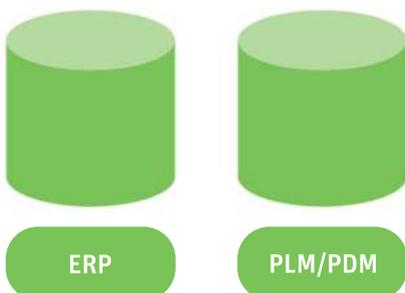
Time & Cost Breakdown

Item cost summary

Raw material cost	172,42 EUR	59%
Investment cost	0,00 EUR	0%
Setup cost	0,21 EUR	0%
Accessory cost	21,63 EUR	7%
Operations cost	96,44 EUR	33%
Total cost	**290,70 EUR**	
Target cost	-	

} 118,08

Item time summary

Setup time	0,20 min	0%
Accessory time	19,97 min	15%
Operations time	111,32 min	85%
Operations+accessory time	131,29 min	
Total time	**131,49 min**	

OUTPUT
Automatic time and cost estimation production and creation of detailed reports.

Integration with enterprise's systems

ERP

PLM/PDM

ERP CONNECTION
- Export of all the information related to time and costs calculated by LeanCOST to ERP systems
- Automatic import of raw material costs, commercial components, and cost centers from ERP systems to LeanCOST.
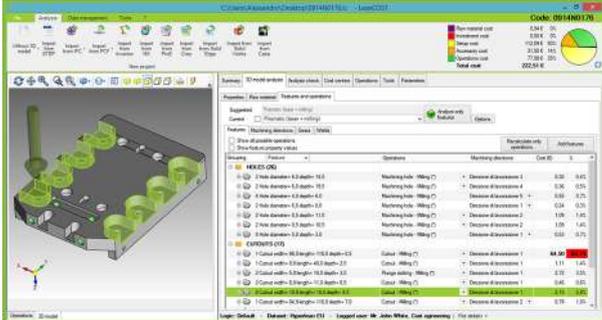
PLM/PDM CONNECTION
- Upload and save files generated by LeanCOST within the PLM/PDM system
- Management of analysis files performed and possibility of automatic recovery during assembly costing.
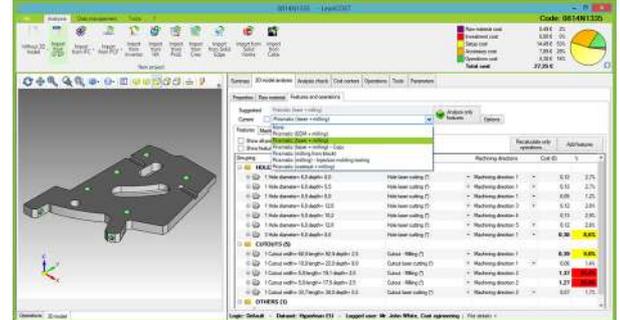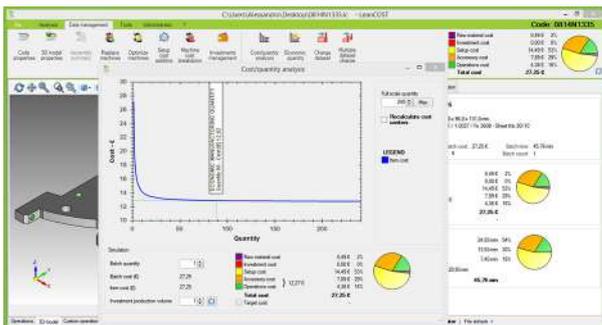
Immediate cost estimation on the 3D model. LeanCOST reads any 3D model and determines a complete and detailed quotation in the easiest and quickest way. The dedicated user interface drives you through the main steps.
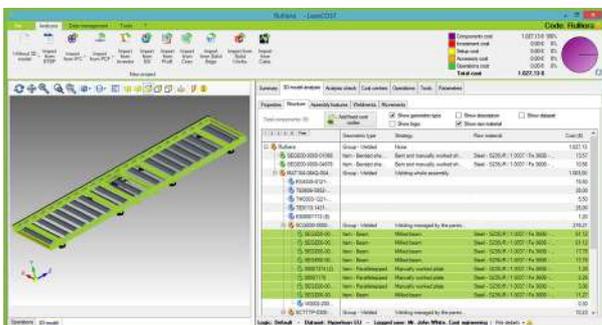

Cost simulation considering the economic manufacturing quantity. LeanCOST determines the cost/quantity diagram and the economic manufacturing quantity thanks to data automatic analysis. Therefore, you can verify the cost impact of the adopted solutions and have support to "make or buy" decision-making.

Import of system assembly, BOM generation and automatic system costing. LeanCOST can automatically recognize the product structure, even multi-level, and generate the BOM.
Thanks to the automatic recognition, LeanCOST can estimate the cost of all system parts in a fast and accurate way. CAD-based BOM can be enhanced by importing also a list of commercial codes with their unit

Cost evaluation according to different technologies and their combination. LeanCOST allows to choose the adopted technologies to be used in product/system cost calculation. It allows to compare different cases to select the cheapest strategy based on quantity, machine availability and technological feasibility.
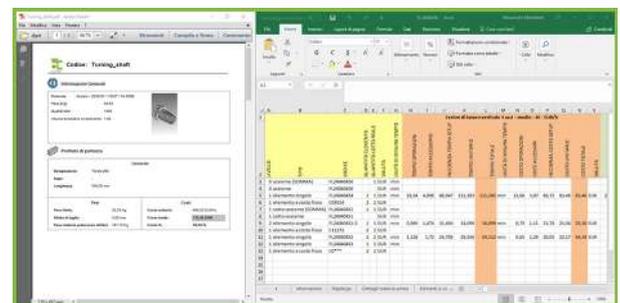

High level of detail for any cost item. During the industrialization phase you can deepen in detail all the cost contributions. You can easily control any geometrical and technological parameter of each single operation, even the machine feed rate or the accessory costs.

Detailed PDF reports and customizable Excel files. LeanCOST creates a detailed and dynamic report that can be exported in PDF file; moreover, it is possible to create different Excel customized reports directly from the software user interface.