

Digital Industry

3D Locator Creation Module



3D Locator



Improving logistics by increasing packing efficiency and reliability

The 3D Locator Creation Module lets companies generate optimised solutions to component packing by creating 3D Locator geometries directly from the 3D data of their products.

The 3D Locator Creation Module creates 3D Locators and the necessary moulds directly from digital models of parts. 3D Locators are logistic separators that conform to the geometry of parts to maximise packing efficiency and part handling reliability. The current method of packing parts for logistics is to use vertical cardboard or plastic separators, which do not consider the complexity of parts.

Parts can be oriented and packed more efficiently in an overlapping manner by creating custom 3D Locators. Precise part orientation enables reliable part picking with automated tools, like robots.



**THE FUTURE OF
EUROPE'S DIGITAL
INNOVATION**

eitdigital.eu
f o i n t w @EIT_Digital



EIT Digital is supported by the EIT,
a body of the European Union

Competitive Advantages

- Maximised packing efficiency for logistic solutions
- Enable automatic component handling
- Automated creation of 3D Locators directly from component 3D data

Target Markets

- Production and logistics planning
- Automotive industry and related suppliers
- Companies with advanced assembly operations

Status/ Traction

- The concept has been demonstrated at the Melfi iCenter
- Several improvements are planned to the software module based on SME feedback
- A start-up is going to be started to help integrate the 3D Locator concept in customer logistics

Road Map

2019

- Improving the integration of robotic gripping requirements
- Improving the packing efficiency algorithm
- Improving the mold generation to facilitate the manufacturing process

Connect



Ismo Mäkelä,
DeskArtes Oy Business Champion
e: ismo.makela@deskartes.fi
t: +358 400 70 70 42

Location

c/o

DeskArtes Oy
Asentajankatu 5
FI-00880 Helsinki
Finland

3D Locator

OEDIPUS High Impact Initiative is an Innovation Activity proudly supported by EIT Digital

EIT Digital supports entrepreneurial teams from research and business organizations in launching new startups and new products in agile 12-month projects called innovation activities. These activities are embedded in EIT Digital's European ecosystem and receive a financial co-investment to package their technology, sign up customers and attract investors.