

# INTEGRATED GRIPPING SYSTEM FOR 3D MOBILE PRINTING

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The technology consists of a 3D mobile printing robotic device able to move on the element to be printed through an integrated gripping system.

**Protection:** International (PCT)

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## INVENTION

The invention consists of a 3D mobile printing robotic device with an integrated gripping system which allows to move on the printed element. The gripping system is simultaneously printed with the element and it is part of the geometry of the section to be printed. Thanks to the flexibility and mobility of the system, the technology is intended for 3D printing of elements of any shape in term of section and thickness, and ideally infinite length and it can be used with any material suitable for 3D printing (polymers, cementitious material, metals).

## ADVANTAGES

- flexible system;
- no constraints in terms of dimensions;
- suitable for any 3D printing materials;
- on-site 3D printing;
- application in any environment.

## APPLICATIONS

- buildings;
- mechanical, aerospace and industrial components.

## CONTACTS

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