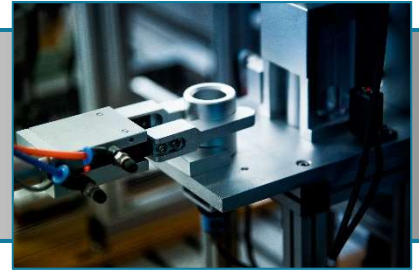


TECHNO OFFER

Exact and reproducible positioning of micro / nano-objects: answer to the problem of overturning

Keywords : Assembly of micro / nano objects



CONTEXT

Today, objects of sizes less than or equal to microns are turned over by rotating the object using a robotic device.

The mechanical principle of rotation leads to imprecise repositioning of the object to the desired position in the process chain, making the assembly of these objects difficult and expensive.

DESCRIPTION

The invention proposes to replace the mechanical principle of rotation by two translations.

The manufactured device thus makes it possible to ensure exact positioning of the object.

COMPETITIVE ADVANTAGES

- Precision of the positioning of micro / nano objects (when they are turned over) for their assembly
- Reproducibility of object position



Markets & applications

Markets

- ❖ Micro / nano electronics,
- ❖ Watchmaking
- ❖ Medical

Applications

- ❖ Industrial assembly line robotic tool



Development stage

TRL 4



Research team

FEMTO Institute – Sciences & Technologies



Intellectual property

1 patent filed on 02/09/2018



Target partnership

Patent exploitation license

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