# FAQ – Digital Experience Session
# DATRON MXCube 4kW

## Is a linear position measuring system installed in this machine?

Yes, the DATRON MXCube has linear glass scales in all axes

## How accurate is the positioning accuracy?

Below please find an overview of the relevant data for the DATRON MXCube:

|  | **Medium Values** | |
|---|---|---|
| **Positoning precision A** | $\overline{A}_x$ | 7,0 µm |
|  | $\overline{A}_y$ | 7,0 µm |
|  | $\overline{A}_z$ | 6,0 µm |
| **Repetition precision R** | $\overline{R}_x$ | 3,0 µm |
|  | $\overline{R}_y$ | 1,5 µm |
|  | $\overline{R}_z$ | 2,0 µm |

## What is the accuracy, repeatability, surface finish available?

Regarding surface finish, with the PerfectCut option we offer a selection of fixed parameter sets that affect the surface finish of the machined material. In order to provide more precise information, we require more details on the material, tools and the planned machining strategy. Our team of experts will be happy to assist you.
If you have any questions, please contact Mr. Kreusel: sven.kreusel@datron.de.

## Is there a difference in the thread mill area for DATRON MXCube 4kW and DATRON MXCube 8kW?

The 4kW spindle produces threads in the milling process, the 8kW offers the cutting function up to M5 in aluminum due to vectorization.

## Does the DATRON MXCube come with the standard XYZ-probe?

Yes, the DATRON MXCube is equipped with the XYZ sensor by default.

## Is it possible to use XYZ-probes mounted directly in the spindle of DATRON MXCube?

No, it's not possible.

## Which is the alternative solution to the chip conveyor? Is it available for the DATRON MXCube 8kw, too?

Alternatively, flat chip trays can be inserted laterally, independent of the spindle.

### Contact:

**DATRON AG**
In den Gänsäckern 5
D - 64367 Mühltal
Tel:     +49 (0) 61 51 - 14 19 – 0
Fax:     +49 (0) 61 51 - 14 19 – 29
E-Mail:   info@datron.de