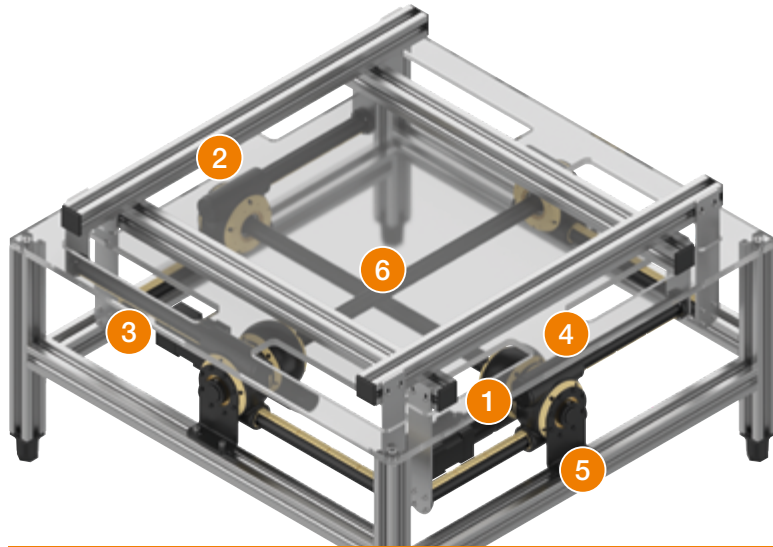
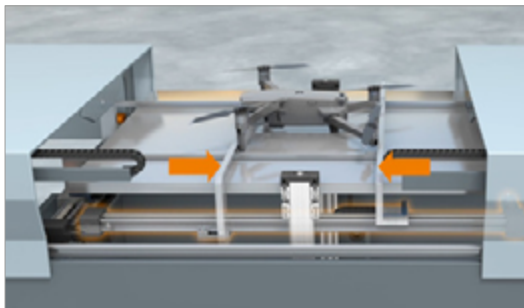


Drone in a box



Automation made simple and affordable ...
modular gearboxes for all movements ... Apiro® ...



Are you looking for the right components for your drone box? Thanks to the combination of Apiro® gearboxes, cantilever axis and igus® e-chains®, we can realise a wide variety of structures.

When drones are housed in a box, you can let them fly automatically and autonomously. Typically, three components are necessary:

A drone that can be charged automatically, e.g. via inductive contacts on the landing skids, a gear you attach to a normal drone or an automated battery replacement in the box.

The box serves as a platform for the drone to take off and land. It is designed in such a way that it can charge the drone or automatically replace the battery. During the charging process or when the drone is not meant to be in the air, the box is a secure unit.

Control software plans and controls flight applications and routes.

With igus® large product portfolio, we can realise individual superstructures in a modular and cost-effective manner.

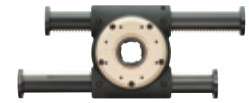
... matching igus® products for your production line ...
... go directly to the online shop with just one click:

1



Apiro® gearbox
with gear ratio 32:1

2



Apiro® cantilever axis with double axis
available in different lengths RL-A15.0100.X

3



Apiro® motor kit
NEMA17 with connector and encoder

4



Apiro® INI kit
for cantilever axis, space-saving and weight-reduced

5



Apiro® installation option
vertical, with flange

6



E2 micro energy chain
for restricted space conditions

6



Apiro® universal profile
particularly lightweight profile so that different
components can be connected to each other

6



drylin® D1 motor control system
for stepper, DC and EC/BLDC motors



More information about
drone in a box

You can find more information at:
igus.eu/apiro-ideas



Download parts list



More information about
Low Cost Automation

igus®