

MY GOAL:

making robots

aware & safe



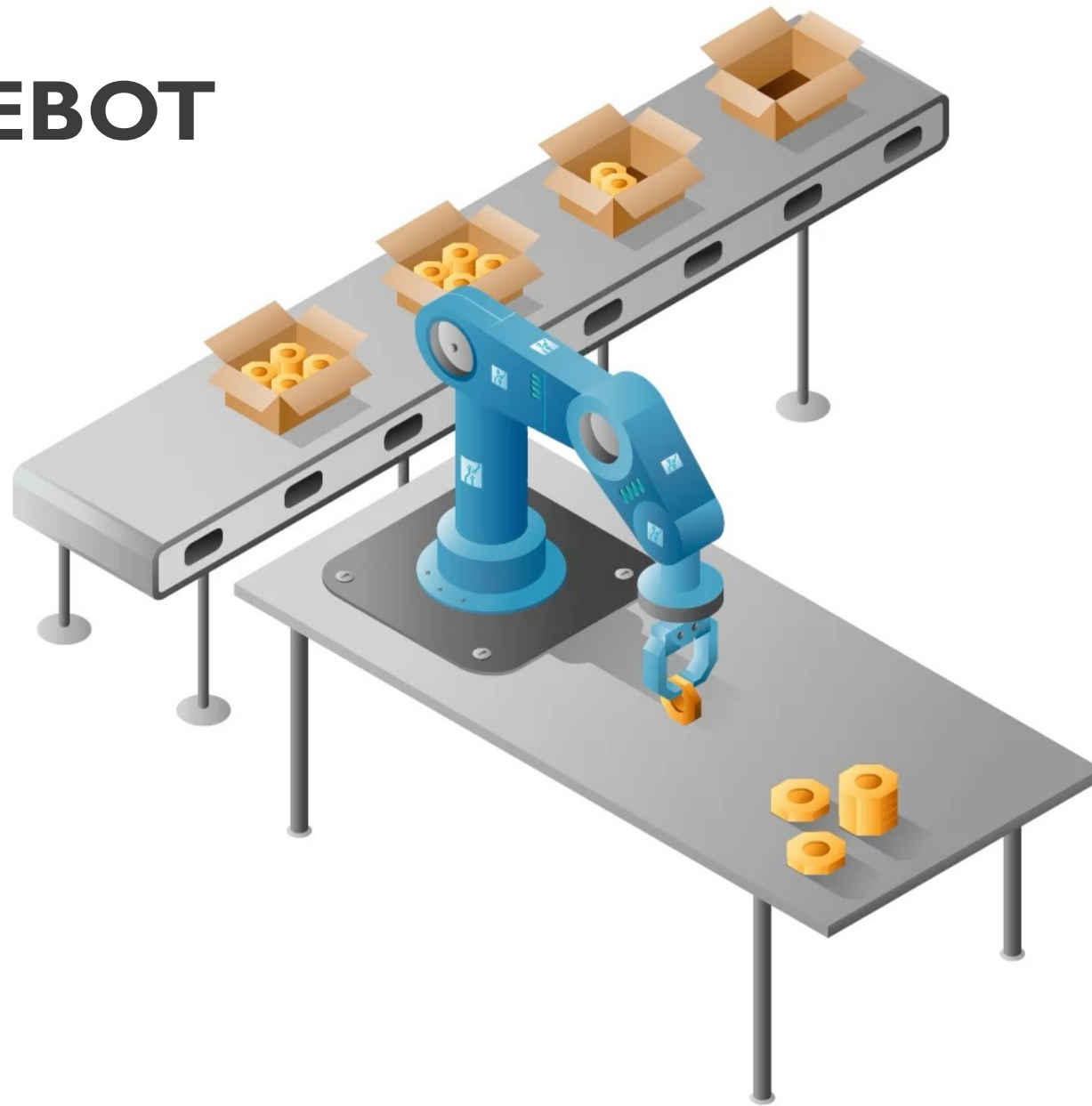
**Increasing skilled labour
shortages worldwide**



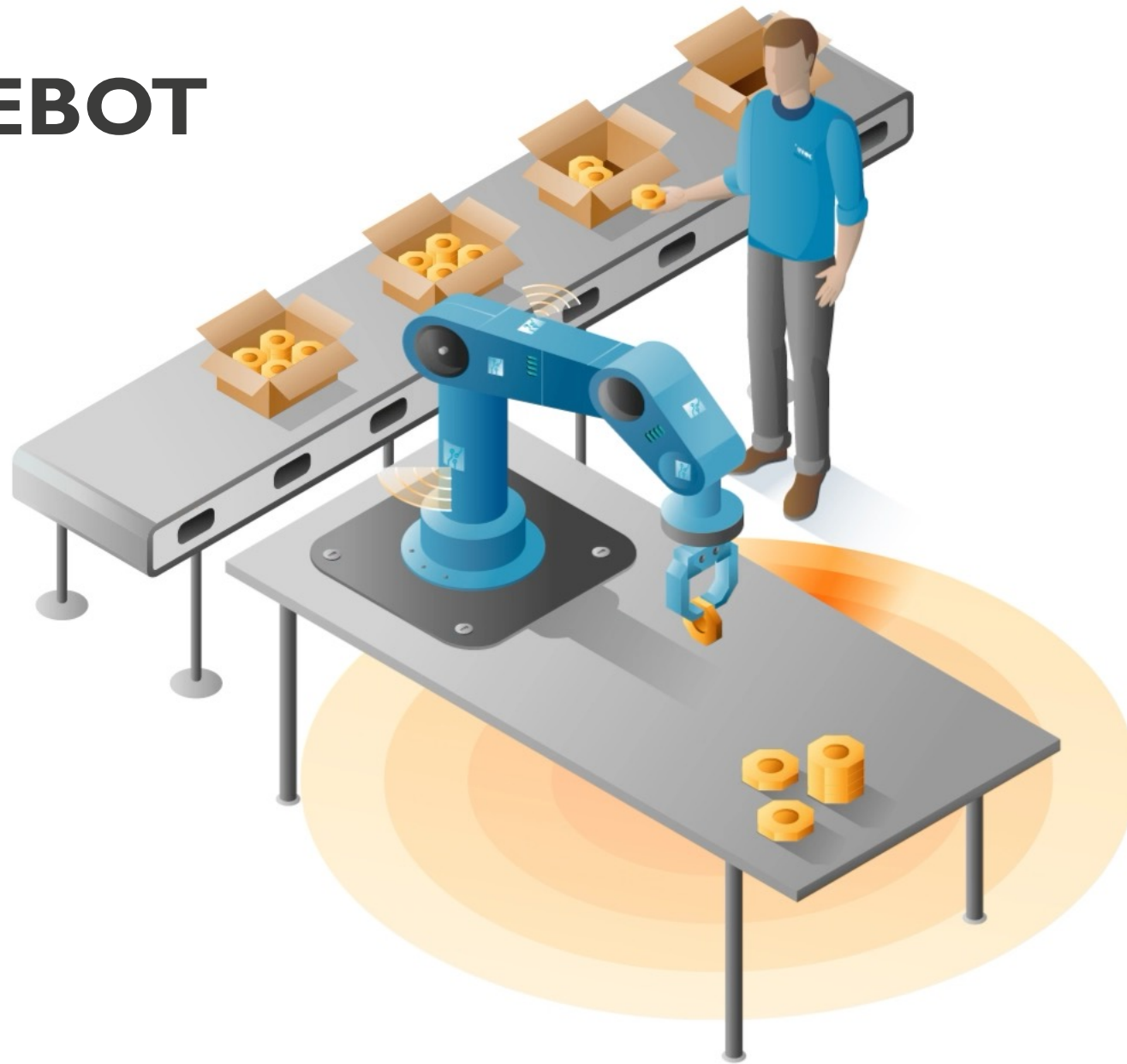
**Shift towards
safe collaborative robotics
in existing infrastructure**



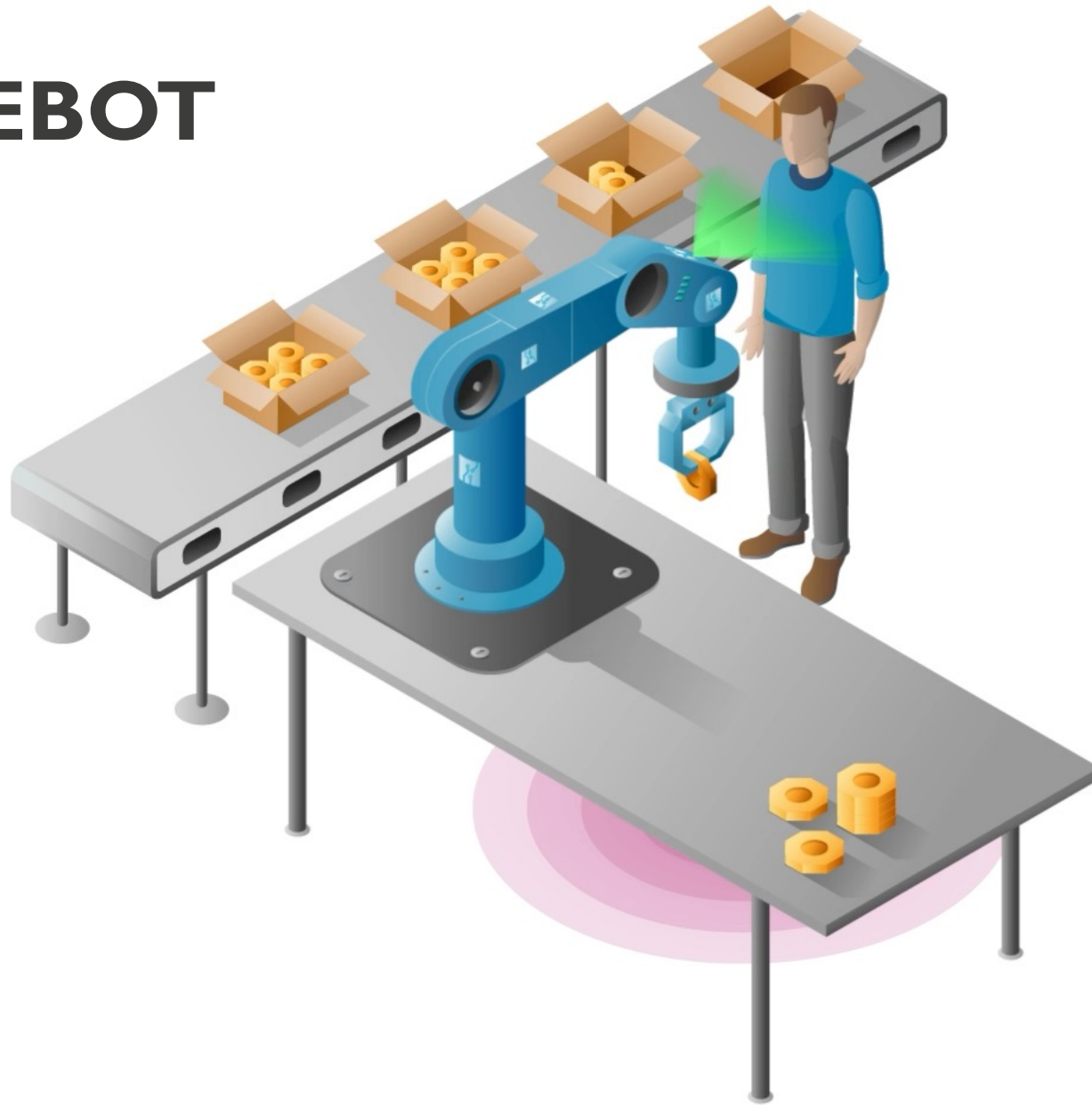
SAFEBOT



SAFEBOT



SAFEBOT





FABLAB

LECTURES FOR INSPIRATION ON ROBOTIC SYSTEMS

HANDS ON LABS



2021/22

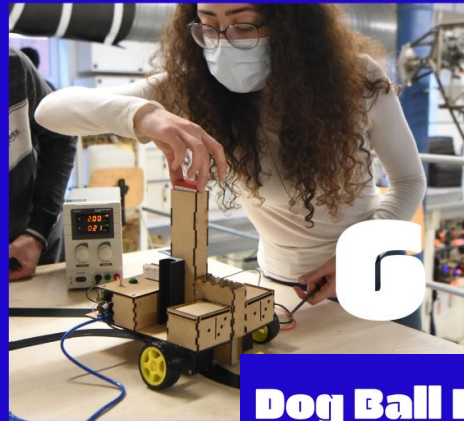
Supplement Bot

4



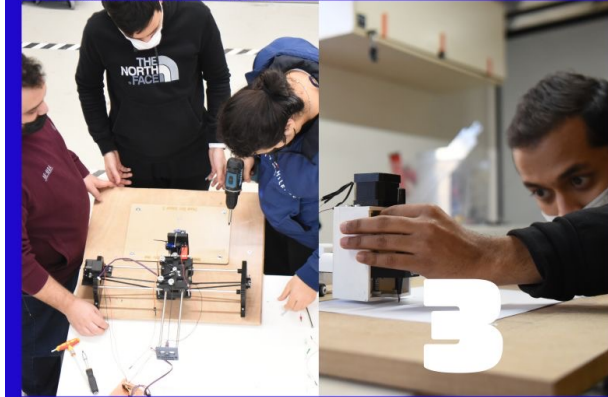
Dominos Stack Bot

6



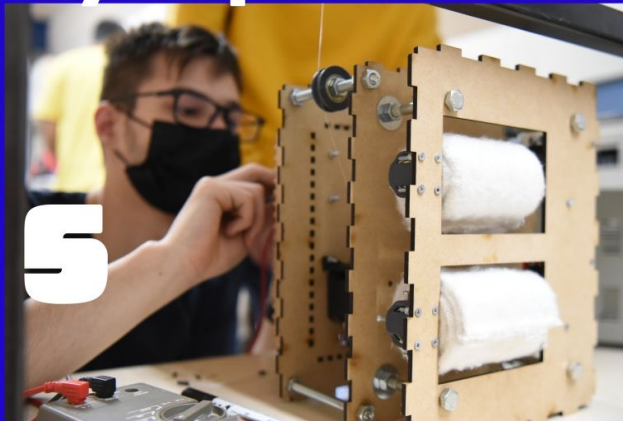
Draw Robot

3



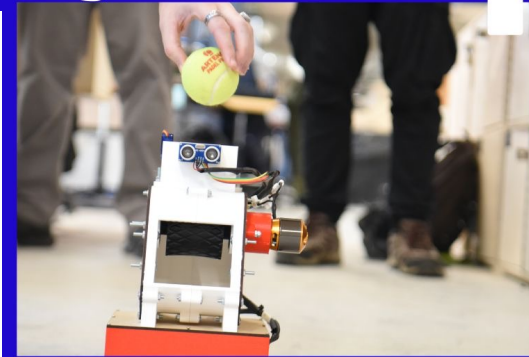
Skyseraper Cleaner

5



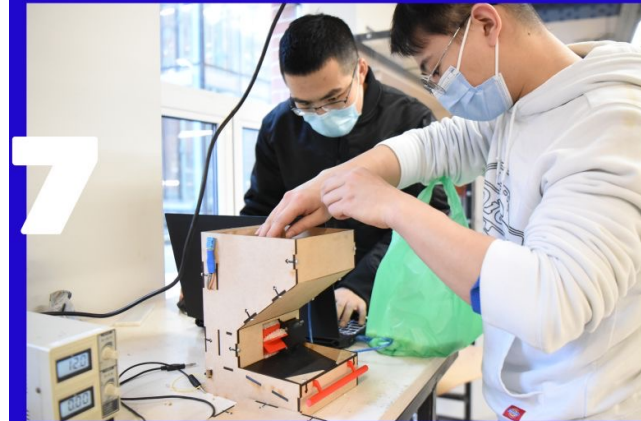
Dog Ball Launcher

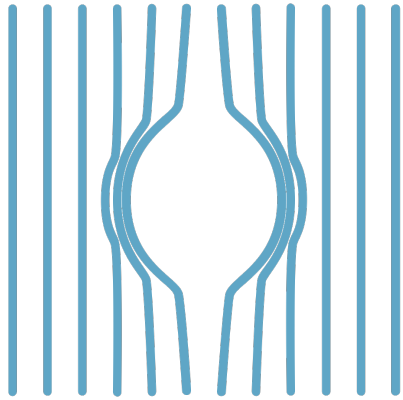
1



Bird Feeder

7

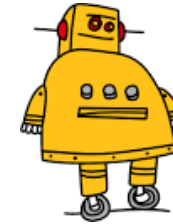




FREEDOM



GUIDANCE



AUTODESK
Instructables

GIVE BACK TO DIY

Fold My T-shirt Robot

By Stefano Pontoglio in Circuits > Arduino



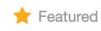
19,408



141



12



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Fold My T-Shirt



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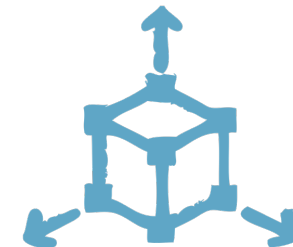


Click: AR smart glasses and a T-shirt folding machine

From augmented reality smart glasses to a T-shirt folding machine, BBC Click's LJ Rich rounds up this week's top tech stories.

CURRENT CHALLENGES DURING TEACHING

- **The time to the first prototype is too long**
 - **Difficulties thinking themselves into the environment**
 - **Students stay high level in their requirements**
 - **Don't understand the specs, don't test**
 - **Ask instead of checking what is available online**
 - **Students shy or scared to start testing components**
 - **Waste components 3D print,**





THE METASTATION @ FABLAB

What is needed:

- **Large component libraries**
- **Interoperability**
- **Environment simulators**
- **Open it to the community & network**



**MAKE EQUIPEMENT
ACCESIBILE + STREAMLINE
BLENDED LEARNING**