



A TOOL FOR ALL TASKS



MILLING



GRINDING



POLISHING



WELDING

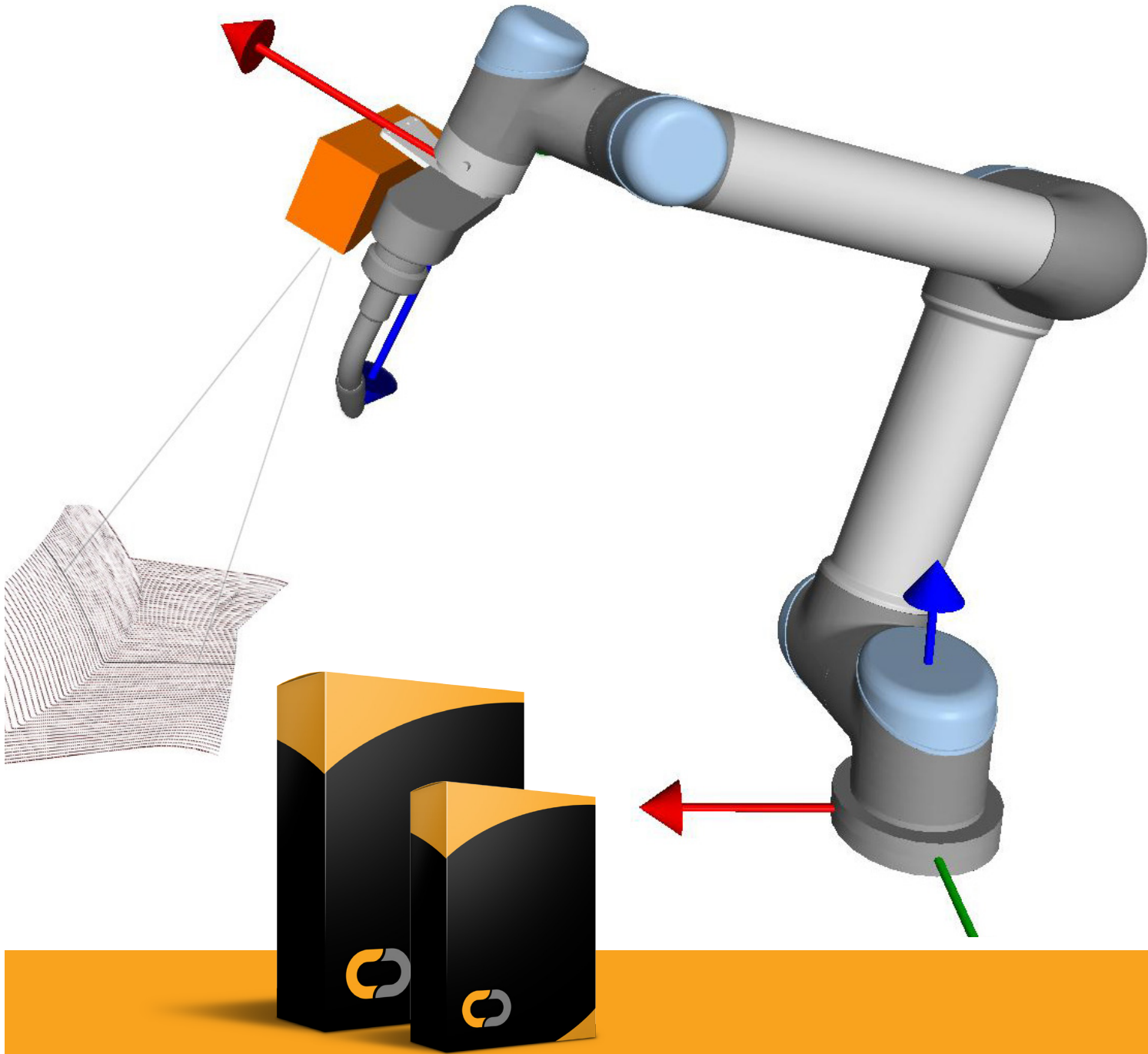


PLASMA CUTTING



ENGRAVING

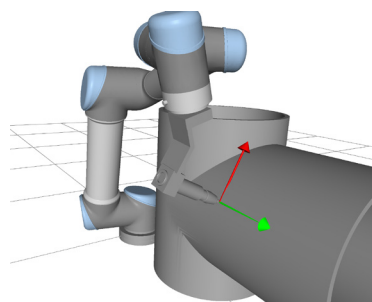
SMART INTEGRATION



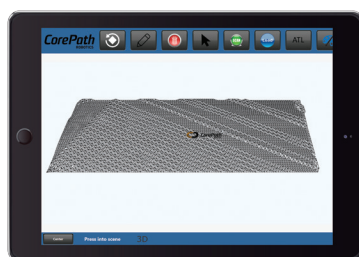
PATHFINDER UI

SCAN. EDIT. PERFORM.

PathFinderUI is the intuitive user interface that enables everybody to use robotic arms as tools for all tasks.



PathFinderUI offers you an intuitive user interface for programming the Path-Finder Units. You simply scan, edit the scanned surface to suit your need and press perform.



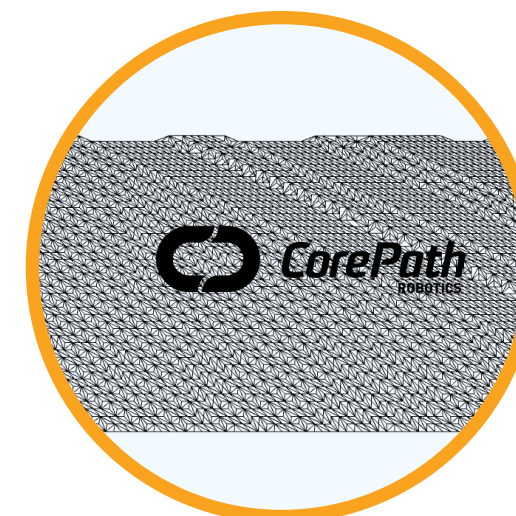
No matter which task you are working on, the Path-FinderUI ensures complete control and quality assurance. Productivity and simplicity are keywords in our app design.



Running on a hardened tablet suitable for an industry environment, Path-Finder is rugged enough to get up close and personal with any given task. Ease of use translates into higher productivity and lower costs. To us, the goal is to improve your bottom line and make your customers satisfied.



SCAN
1 MIN.



EDIT
SELECT A
SURFACE
1 MIN.



PERFORM
1 HOUR

PATHFINDER SOFTWARE

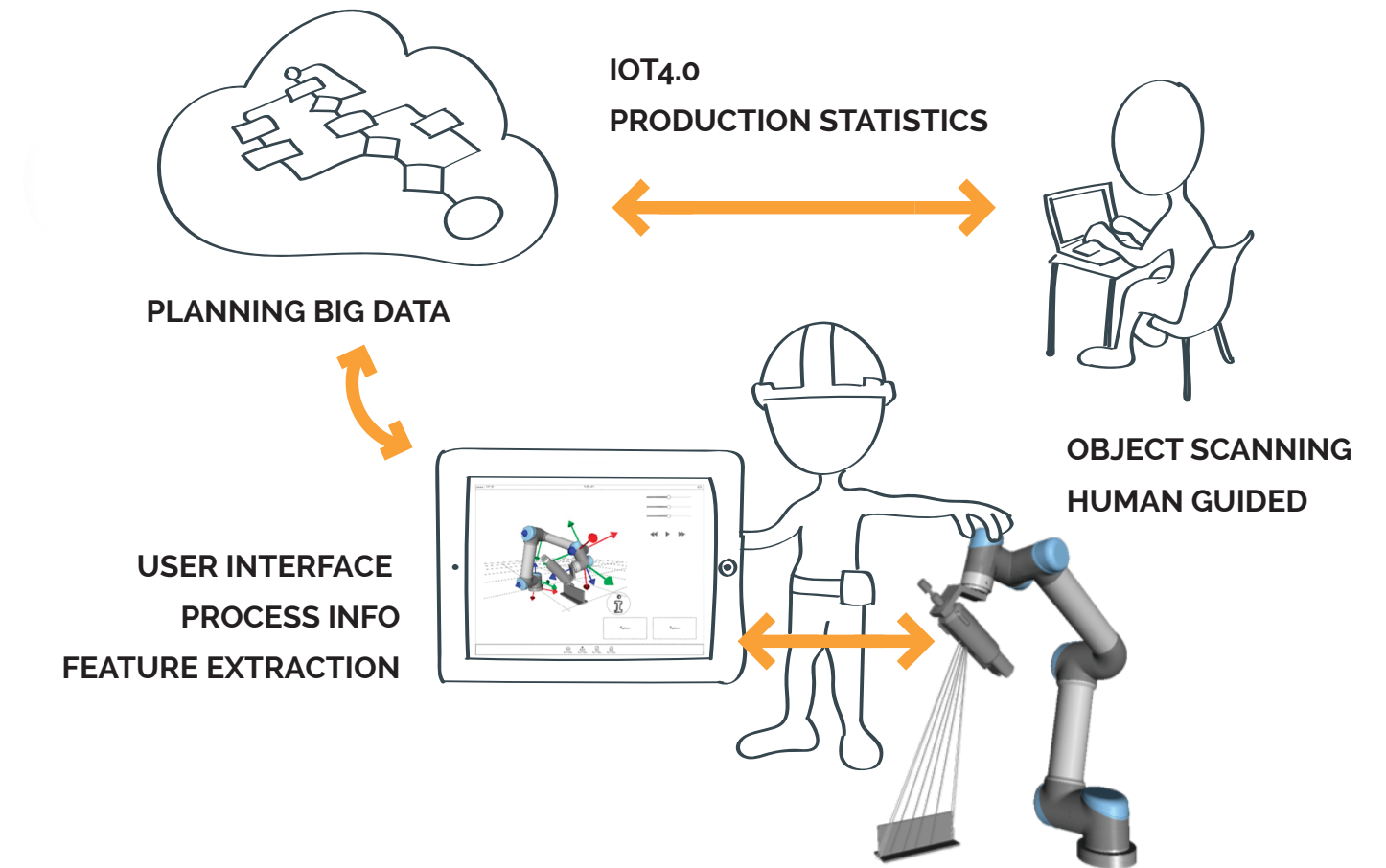
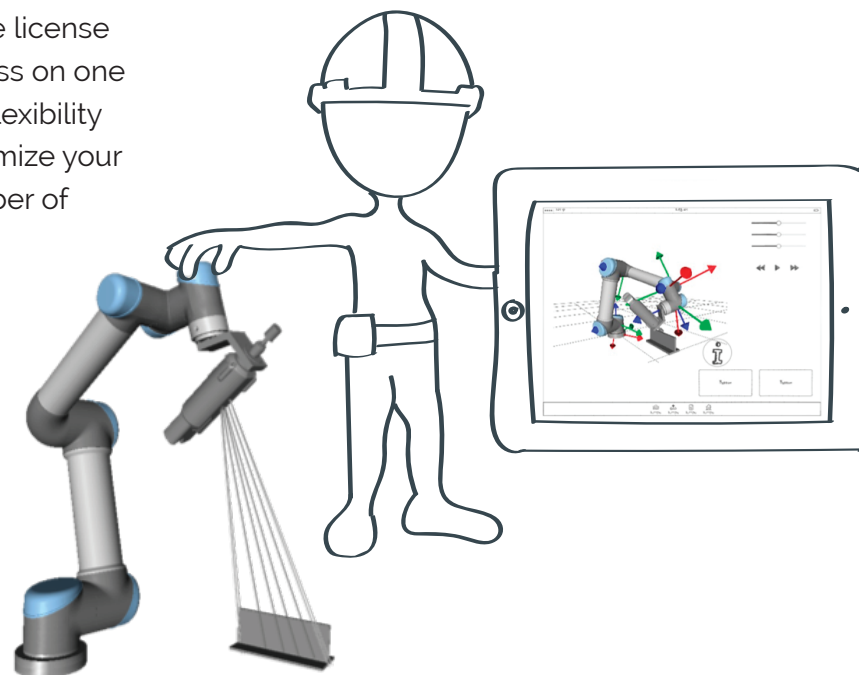
PathFinder Light and PathFinder Cloud are the software solutions that will enable you to easily automate industrial processes with any industrial robot arm. The PathFinder software licenses are all you need to start automate on your own. The PathFinder software enables you to teach and instruct the robot system what to do using CAM and 3D vision. Load G-code directly and enjoy the features of offline cam software.



PATHFINDER LIGHT

LICENSE COVERS:

PathFinder Light is a one-time-fee license that covers one application process on one robot system. This gives you the flexibility to invest incrementally and customize your PathFinder solution with the number of licenses you need.

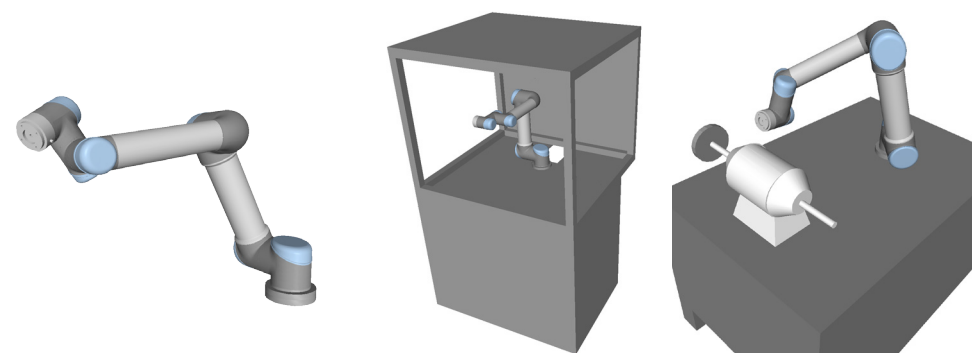


PATHFINDER CLOUD LICENSE COVERS:

PathFinder Cloud license is renewed annually and covers one application process on one robot system. This gives you the flexibility to invest incrementally and customize your PathFinder solution with the number of licenses you need. With the PathFinder Cloud license you get:

- 100 times the performance through parallel processing
- Free software updates when available
- Remote support
- Industry 4.0 readiness through IoT and clouding services. The online clouding services allows you to store and save the data from your work which enables you to:
 - Save value process knowledge inside your company
 - Connect to other software management systems to automatically synchronise your work with your ERP-, stock-, economy system etc., as PathFinder Cloud allows optional integration with third party systems.
 - Keep track of your production statistics

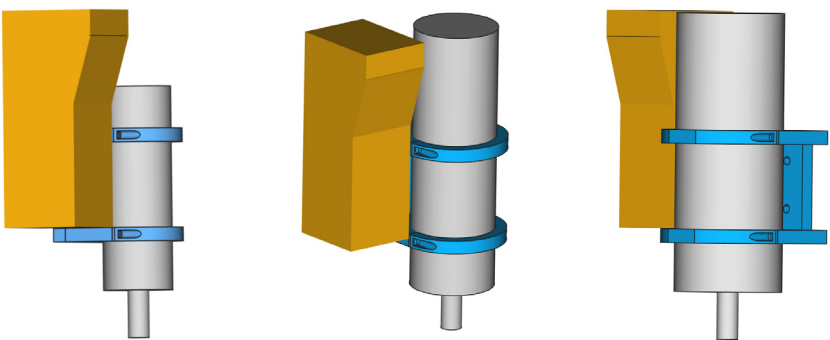
MECHANICAL PLATFORMS



DESCRIPTION	Surface grinding and polishing of large constructions.	5-7 axis milling, engraving, deburring, grinding cell.	Polishing with external buffer and force feedback.
TECHNOLOGY	Tool in hand	Tool in hand	Part in hand
MOBILITY	Total mobility/robot system dependant. Relocatable	Stationary	Stationary
STANDARD MEASUREMENTS (L, W, H)	400x400x (400-800)mm	1200x1100x (1500-2000)mm	1200x800x-700mm
SAFETY	Sick laser scanner, programmable	Mechanical enclosure	Mechanical enclosure
PART DIMENSIONS	Large, medium and small	Medium to small. Limited by enclosure	Limited by gripper and max robot payload

*ROI: typically bellow 0.8 years for 2 shifts operations and 1.6 years for 1 shift operations. Case dependent.

TOOL UNITS



POWER	600W	1000 W	2200W
COLLET TYPE	ER11-ER16	ER16	ER16-ER20
SPINDLE RPM	3000-12000 RPM	3000-24000 RPM	3000-24000 RPM
SPINDLE DIMENSION	Ø53 x 180mm	Ø65 x 200mm	Ø80 x 200mm
WEIGHT	2kg	3kg	5.2kg

*The spindles are all suitable for milling, deburring, polishing, grinding and engraving.

SOLUTIONS FROM CP ROBOTICS ENABLES EVERY- BODY TO USE RO- BOTIC ARMS AS TOOLS FOR ALL TASKS

CP Robotics is a spin out from the University of Southern Denmark. Robotics is in the DNA of the Region of Southern Denmark. Several robotics technologies, such as Universal Robots, originate from the region.

We are proud to build on the efforts of the regional companies that aim to make robots valuable tools to everyone. We strive for perfection in order to enable you to automate small series production without relying on resources from highly skilled engineers. We believe this is the only way the robotic technologies will be able to help you improve your strengths.

WHY **PATHFINDER** SOLUTIONS FROM CP ROBOTICS?

SMALL SERIES PRODUCTION:

Fast re-configuring, enable cost-effective automation of one-of-a-kind manufacturing. PathFinder solutions offers reduced risk and swift RoI in spite of ever changing production lines. It increases competitiveness on small series manufacturing and allows to back source many of the processes that have been outsourced. PathFinder is robot manufacturer independent.

ELIMINATE HEALTH RISKS

Many process assignments are very hazardous and harmful for human manual labour to perform. PathFinder reduces the manual process as the skilled worker only teaches the robot to perform the certain task and is able to let the robot do the rest of the work without interfering. It thereby increases safety significantly.

SHOP FLOOR WORK- ERS AUTOMATE PRO- CESSES THEMSELVES:

80% of an industrial process assignment; that is performing the process as such, will be automated with PathFinder. The remaining 20% is the shop floor worker's knowledge on how to perform the process. This knowledge is needed to teach, adjust and instruct the robot accordingly. The expert process knowledge, that is the most valuable to your company, will remain inhouse and will not be shared with externals.



www.corepath.dk
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