



Lean automation for CNC machines with Cobots and acubez





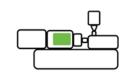


SU-PAD Company

SU-PAD was established in 1987 by Pini Sadeh and David Cohen, to provide high-end equipment and innovative solutions, to the Israeli industry.

For over 30 years, SU-PAD has been innovating and implementing advanced solutions in 4 different divisions, which allow its customers to enter the market quickly and compete with a relative advantage, alongside the world's leading brands and by constantly improving

the professionalism, quality and service.



INJECTION MACHINES & QUIPMENT

3D

PRINTERS



SOLUTIONS YOU CAN TRUST





Agenda

> Opening remarks and introduction

Haim Zeherman - Automation & Robotics Department Manager | SU-PAD

- > What are cobots and their added value for the metal industry Kandan Özgür Gök - Country Manager - Turkey & MEA | UR
- > acubez The solution for easy machine tending Ephraim Ulmer - Cofounder & Business Development | acubez

> Q&A panel



Expectations

- > Duration: 45 minutes + 15 minutes for Q&A
- > The webinar is recorded
- > Please mute your microphone
- > Write your questions inside the Q&A chat
- > There will be 3 anonymous polls







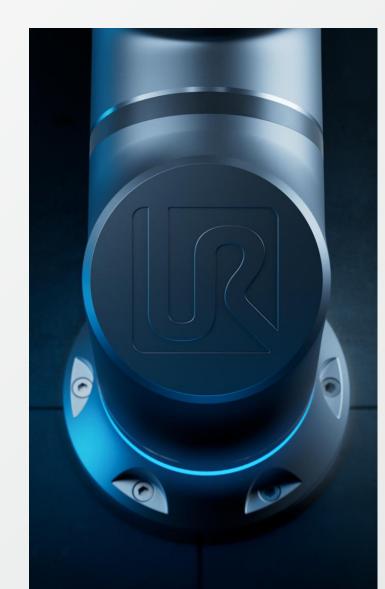
Kandan Özgür Gök Country Manager - Turkey & MEA

Teradyne Robotics





Company overview



2005 Founded in

Denmark

40% of the cobot market

1,100+

Partners in the UR ecosystem

1000+ employees Part of **Teradyne Inc.**

2008

Introduced first

commercially viable cobot

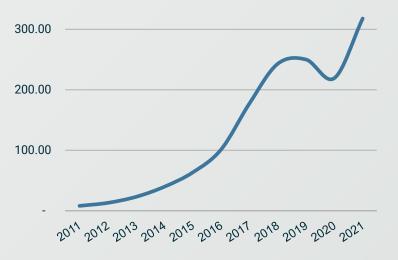
50,000+

cobots sold

20+

offices

Revenue Trend (M\$)



Product portfolio with range of reaches and payloads

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Universal Robots in numbers

800+

Distributors & Integrators



1000+ Employees

50,000+

Cobots sold

40%

Cobot market share* **440+** UR+ products

*Source: Interact Analysis © 2023 Universal Robots A/S. All Rights Reserved.

A global company





New headquarters coming 2024

- World's largest cobot and AMR hub

We want to create a world where people work with robots, not like robots

Automation for anyone. Anywhere.

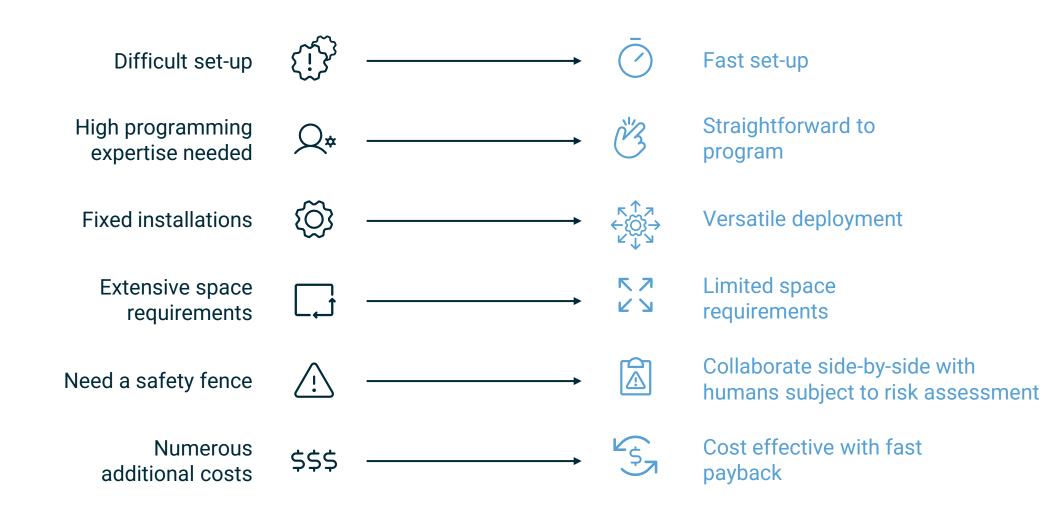
We continuously redefine automation





Traditional industrial robots

Collaborative robots







Why automate?



Labor shortages



Increased competition



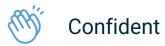
Changing demand

We're helping businesses remain

Productive

3

² Competitive







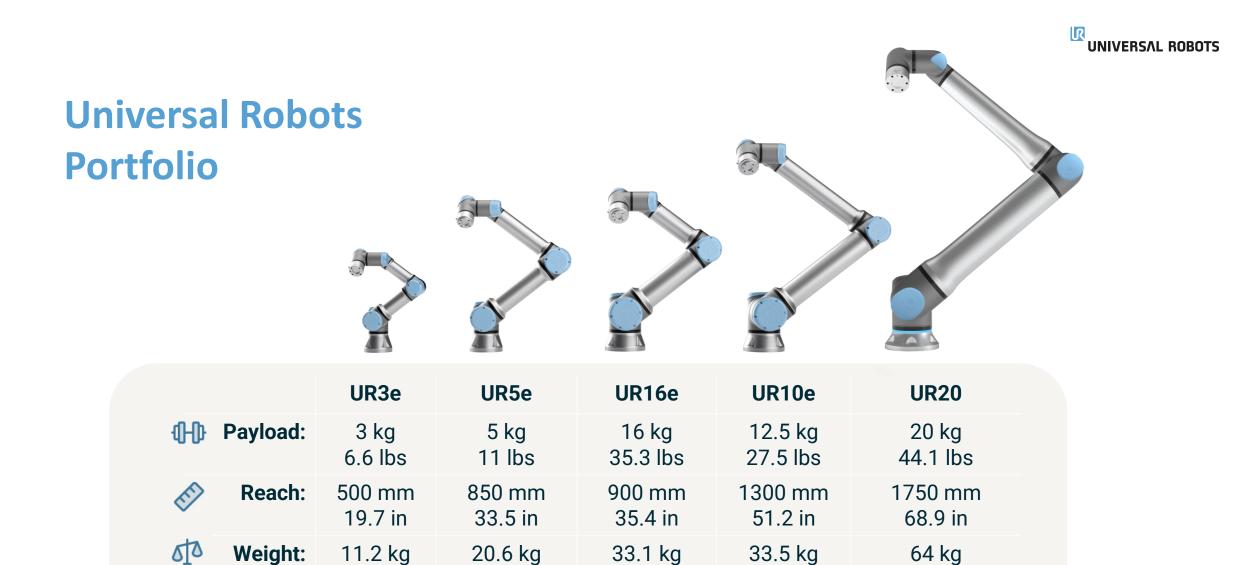
And we're helping some household names...

Electronics & Technology		Automotive & Contractors		Metal & Machining		Pharma & Chemistry	
THIELE	BÖCO	STELLANTIS	Ford	bj∙gear	Paradigm	Gentofte Hospital	© aurolab
BAJAJ	C LEAR. CORPORATION		Whippany Actuation Systems*		BETACOM	MARKA	Replac-BM
O ntinental 		NISSAN				SANOFI	
Food and Beverage		Scientific & Research		Plastic & Polymers		Furniture & Equipment	
* Orkla	ATRIA	A G H	iqlandia	SHAD	TRELLEBORG	FRANKE	ETALEX
Nortura	. Nordic Sugar	RAMTEC	minitube	GLIDEWELL		RUPES °	FH E
Unilever	3 C						



Our products

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73 lbs

Ø 190 mm

73.9 lbs

Ø 190 mm

141.1 lbs

Ø 245 mm

45.4 lbs

Ø 149 mm

24.7 lbs

Ø 128 mm

Footprint:

 $\left(\circ \right)$

Fast robot delivery We're ready when you are

UNIVERSAL ROBOTS

UNIVERSAL ROBOTS

UNIVERSAL ROBOTS

INTRODUCING THE UR20

20 kg payload | 1750 mm reach | weighs 64 kg



What's in the box? e-Series Standard vs. OEM

e-Series Standard

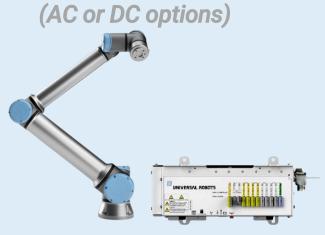


Includes:

- Robot Arm (3, 5, 10, 16)
- Standard Control Box w/ Cabinet
- Teach Pendant
- Power Cable
- User Guides



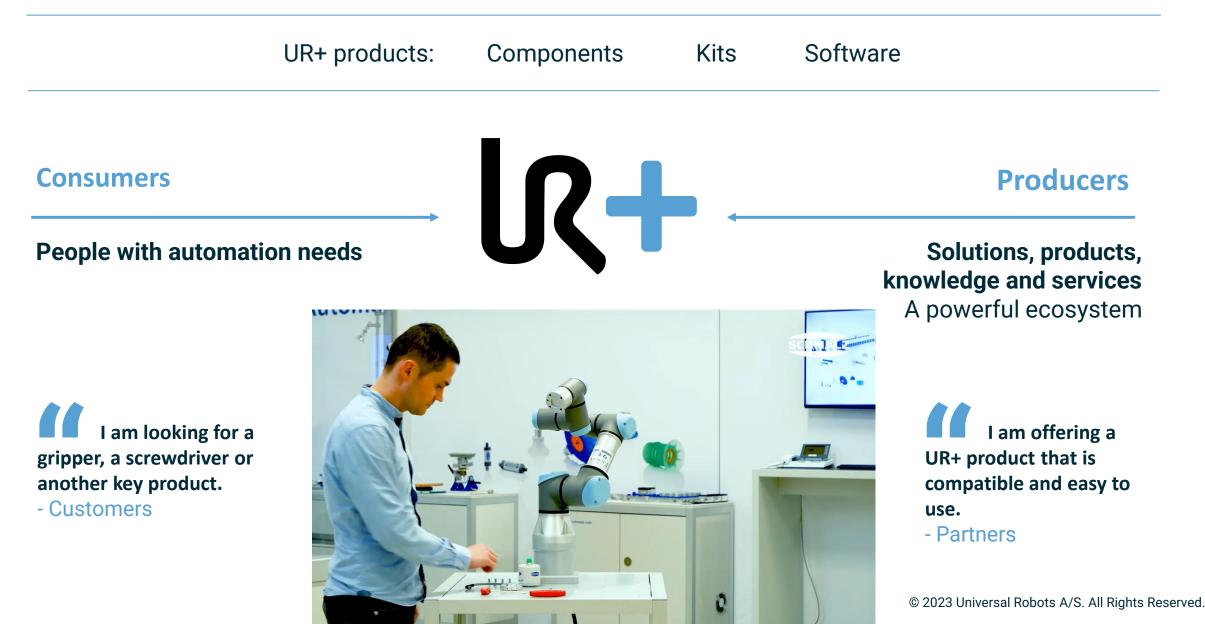


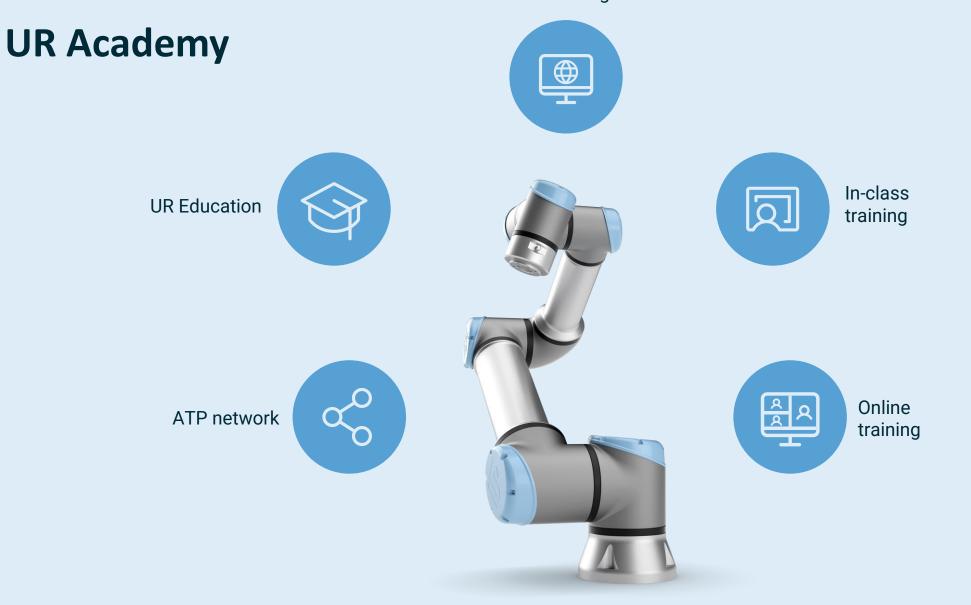


Includes:

- Robot Arm (3, 5, 10, 16)
- OEM Control Box (AC or DC)
- User Guides



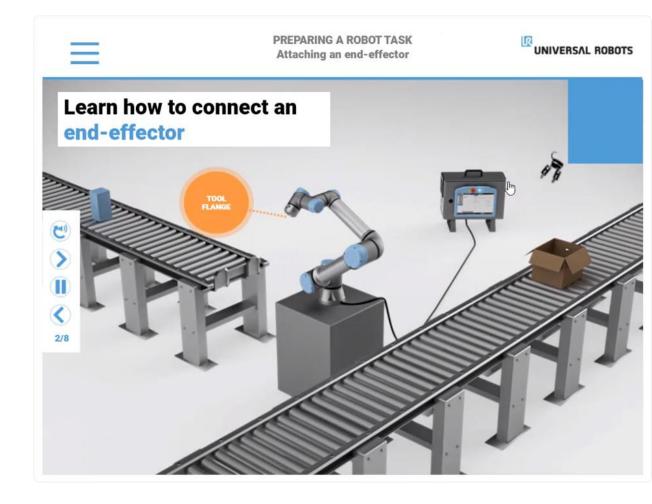




E-Learning

- World class e-Learning
- Core, Pro and Application track
- Available for CB3 and e-Series
- 14 modules that build on each other
- Free of charge and freely accessible
- Robot programming basics

- Interactive simulations - not a passive online lecture
- Available for computers and tablets
- Certificate for completion of all modules
- > 179,000 users
- 16 languages

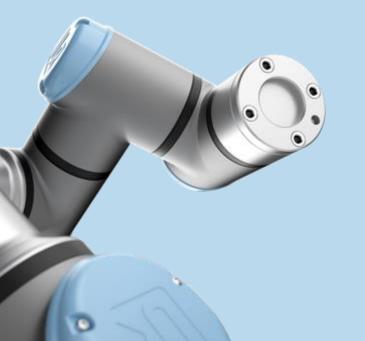


Transformation!



Thank you

Let's change the world!



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Ephraim Ulmer Co-founder & Business Development

*k*acubez^{*}

Modular Automation Made Easy

Flexible • Efficient • Low RiskMachine TendingAutomation with CobotsApril 24, 2023

<u>R</u>

R

(H)





ndustry

4.0

A cubez





Acubez[™] Modular Automation



Ephraim Ulmer Co-Founder and Business Development, Acubez Modular Automation Ltd.

ephraim.u@acubez.com

linkedin.com/in/ephraimulmer in



A © **cubez**™ Who we are?

Founded 2018

"Hands-on" Developing and manufacturing standardized modular automation solutions

Focus Machine-tending segment

Current markets Israel and Europe Inhouse R&D Team

10 +

Welcome to the world of easy automation. Welcome to Acubez[™]



O O

1.0

....

2.0

3.0

Industry 4.0

Machine Tending Automation Maximize efficiency of your existing machines







- El



Inspection

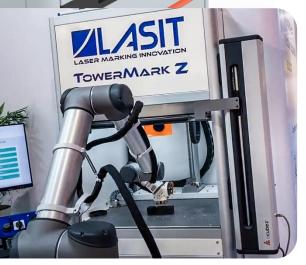
Machines



Grinding Machines



End of Line Machines











DOOSAN

HEXAGON





34

Webinar Agenda



Key Drivers

Why implement Automation?



Key Barriers

Difficulties to implement Automation

Overcoming the Barriers

Deploying Automation can be easy!



The Solution – Acubez^m

Modular, flexible cobotbased automation



SOlutions You







Key Drivers

Why implement automation?



Manpower Shortage



Cost Reduction



Consistency in Quality



Crisis (e.g. Pandemic)



Safety



Increased Efficiency and Machine Utilization



Fast ROI



Key Barriers



- High upfront capital requirements
- Risk of the automation equipment becoming absolute as demand changes
- Lack of flexibility
- Complexity of implementation
- Lack of skilled labor
- Job changeover complexity and time
- Management commitment & resistance to change
- Floor space

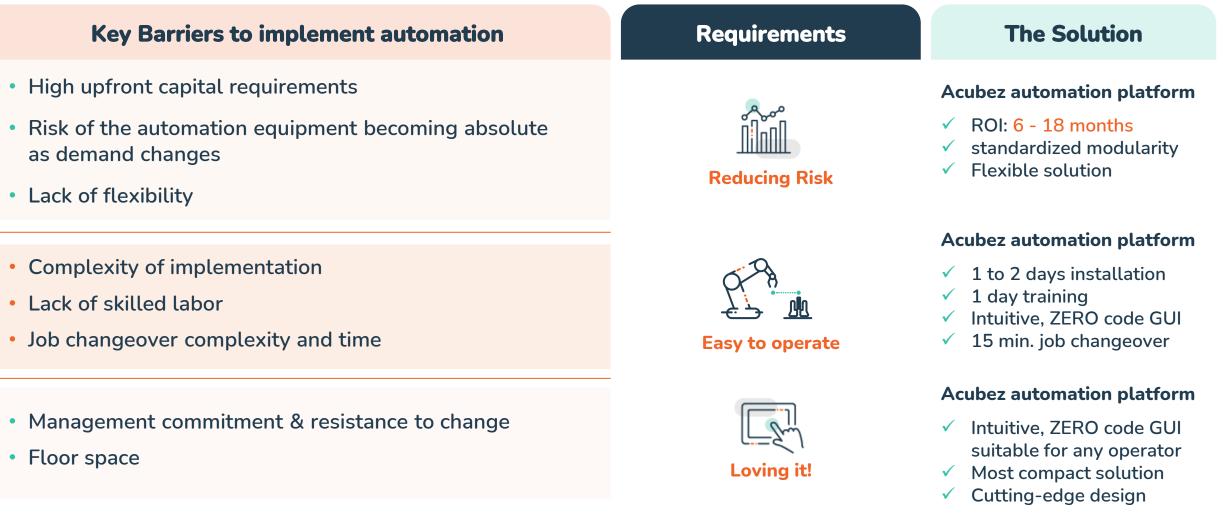








Overcoming the barriers











Synchronized: Mechanically & Digitally

Ø Modular

Scalable

End-to-end





Flexible · Expandable · Standardized **Modular Automation**









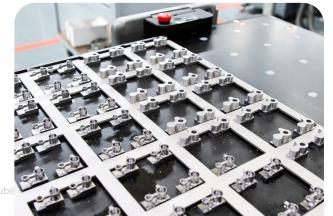






Solutions You Can Trust





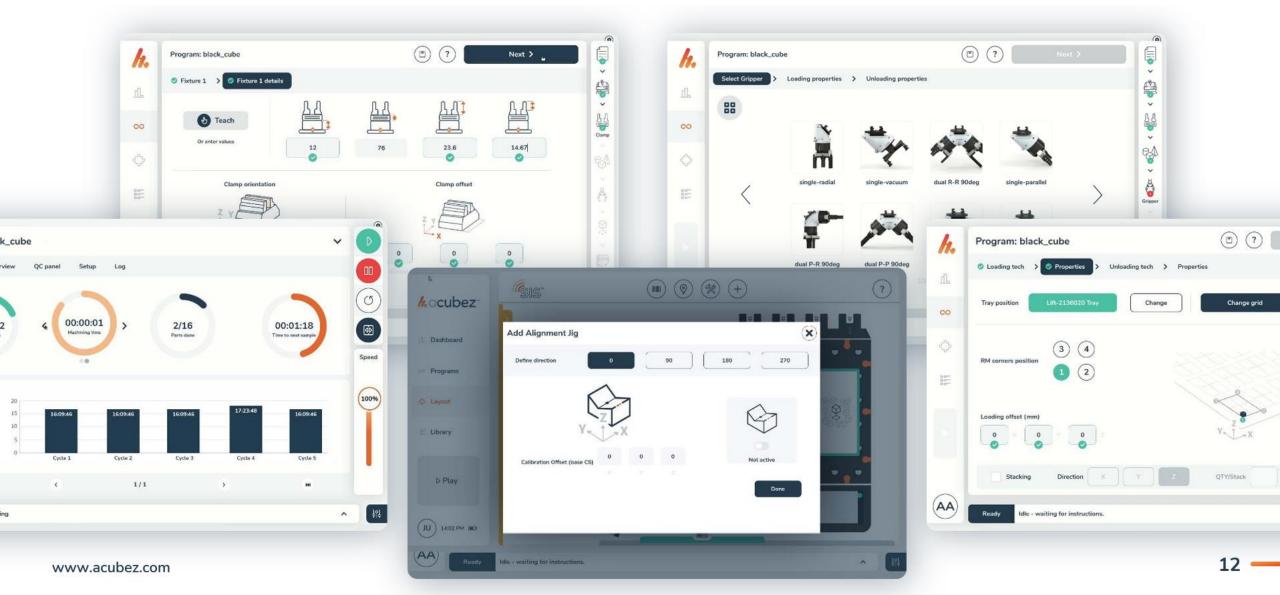


www.acubez.com





Intuitive GUI: the acubez[™] touch





Solutions

Start small, grow as-you-go

Low capacity Medium capacity

hacubez 800

hacubez^{**} 1000

hacubez^{**} 1400

High capacity

Fast Return on Investment



Solutions

ROI: less than 12 months!

Typical return-on-investment calculation for automated Okuma MU-400V II:

	hacubez [®] 800	/.acubez 1000
Increased machine efficiency with automation	From 75% to 95%	From 75% to 95%
Machining hours added weekly	27 hours	50 hours
Value of added hours annually	62,150 Euro	115,500 Euro
Acubez budgetary cost	65,000 Euro	100,000 Euro
Return on investment	13 months	10.5 months



www.acubez.com

Thank you!

Start your journey with modular automation today

www.acubez.com/connect



