



Cobots = Collaborative Robots

<http://cobots.reiku.com/>

What is a Cobot?

- “a cobot is a slang or contracted term for collaborative robot. I have found a definition that really represents the meaning of cobot: "Collaborative robots are complex machines which work hand in hand with human beings. In a shared work process, they support and relieve the human operator." source: [IFA](#). So basically it is a device that helps you accomplish your day to day job.“ ([Source](#)).
- Compared to “normal” and bigger industrial robots, cobots can operate without fences, next to humans.
- They are much more cheaper and promise a quicker ROI. So we can expect a quicker market growth

Market:

Quite new market (UR5 since 2009).

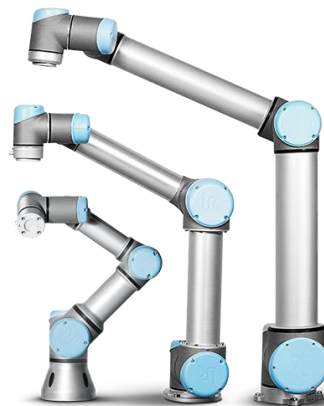
- Company Universal Robots UR has been founded 2005 and is the “first mover” with probably the biggest market share now (70% ?)
- All major robot OEMs are working to re-gain share in this market: ABB, KUKA, Yaskawa... ([Source](#))

Potential for REIKU Cable Protection Systems

- Cobots may need cable protection, especially when carrying camera or EOAT.
- existing REIKU components NW17 to NW29 are appropriate.
- However most of the cobots don't offer an easy attaching/mounting capabilities for accessories.. therefore REIKU did design 2 dedicated adapter solution : ranges FSDFB and MESUB (see product description pages 3 & 4)

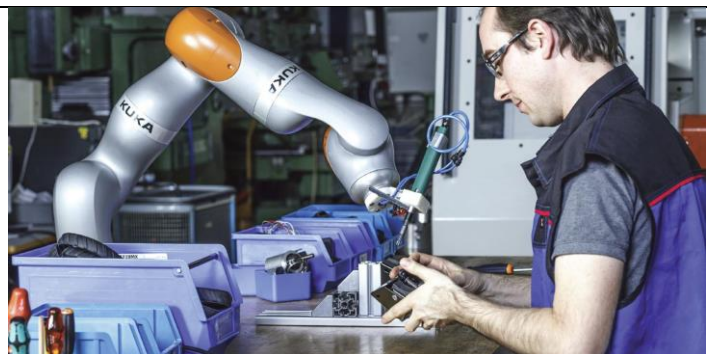
Manufacturer Universal Robots,

- <https://www.universal-robots.com/>
- Cobots : UR3, UR5, UR10



KUKA

- Cobot : LBR iiwa
- <https://www.universal-robots.com/>
<https://www.kuka.com/en-de/products/robot-systems/industrial-robots/lbr-iiwa>



ABB

- Cobot YuMi
- <http://new.abb.com/products/robotics/de/industrierober/yumi>



Yaskawa Motoman

- HC10
- <https://www.yaskawa.eu.com/en/news-events/news/article/news/motoman-hc10-collaborative-robot-safe-and-flexible-interaction/>



Rethink Robotic

- Cobot Sawyer, Baxter
- <http://www.rethinkrobotics.com/de/sawyer-intera-3/>






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Product description REIKU LSDFB



<i>What is it?</i>	LSDFB is designed for specific nominal diameter range of round robotic arms. Especially suitable for use at cobots with slow to average movement speeds and low loads
<i>Advantages/benefits of this product</i>	<ul style="list-style-type: none">- LSDFB fits to REIKU conduit and accessories trade size NW17 to NW29.- integrated rotary flange for additional flexibility through- 2 item sizes to cover robot arms Ø 54 to 108mm (UR3 to UR10)- Velcro® closure allows an easy adjustment- additional rubber band to avoid sliding on the cobot's arm.- easy assembly
<i>How does it work?</i>	<ul style="list-style-type: none">- First place the clamp on the rotary console- Then attach and pull the Velcro® band on the arm- After you have placed the cables inside the conduit, place the conduit assembly inside the clamps- You may pull the Velcro® band tightly in the final position- That's it !
	



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Product description REIKU MESUB

<i>What is it?</i>	MESUB is designed for specific nominal diameter range of round robotic arms. Especially suitable for heavy duty use on cobots with high dynamic movements and high loads
<i>Advantages/benefits of this product</i>	<ul style="list-style-type: none">- MESUB fits to REIKU conduit and accessories trade size NW17 to NW90.- 6 item sizes to cover robot arms Ø 54 to 108mm (UR3 to UR10)- strong metal collar with integrated console- hinge pin screw connection for high holding forces and easy adjustment- slip-resistant rubber profile to avoid sliding on the cobot's arm.- easy assembly- compatible with REIKU rotary flanges
<i>How does it work?</i>	<ul style="list-style-type: none">- First place the clamp on the rotary console- Then attach the metal collar on the arm and turn the screw- After you have placed the cables inside the conduit, place the conduit assembly inside the clamps- You may place the metal collar in its final position and turn the screw tightly- That's it !
	 

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