

Round cell gripper RCG

For handling battery cells

Hand in hand for tomorrow



Flexible gripper unit for round cells

The round cell gripper RCG has a pneumatically controlled magnetic system that picks up and places battery cells of \varnothing 46 mm. The RCG is typically used in multi-gripping units for example in row arrangements or for gripping complete cell clusters.

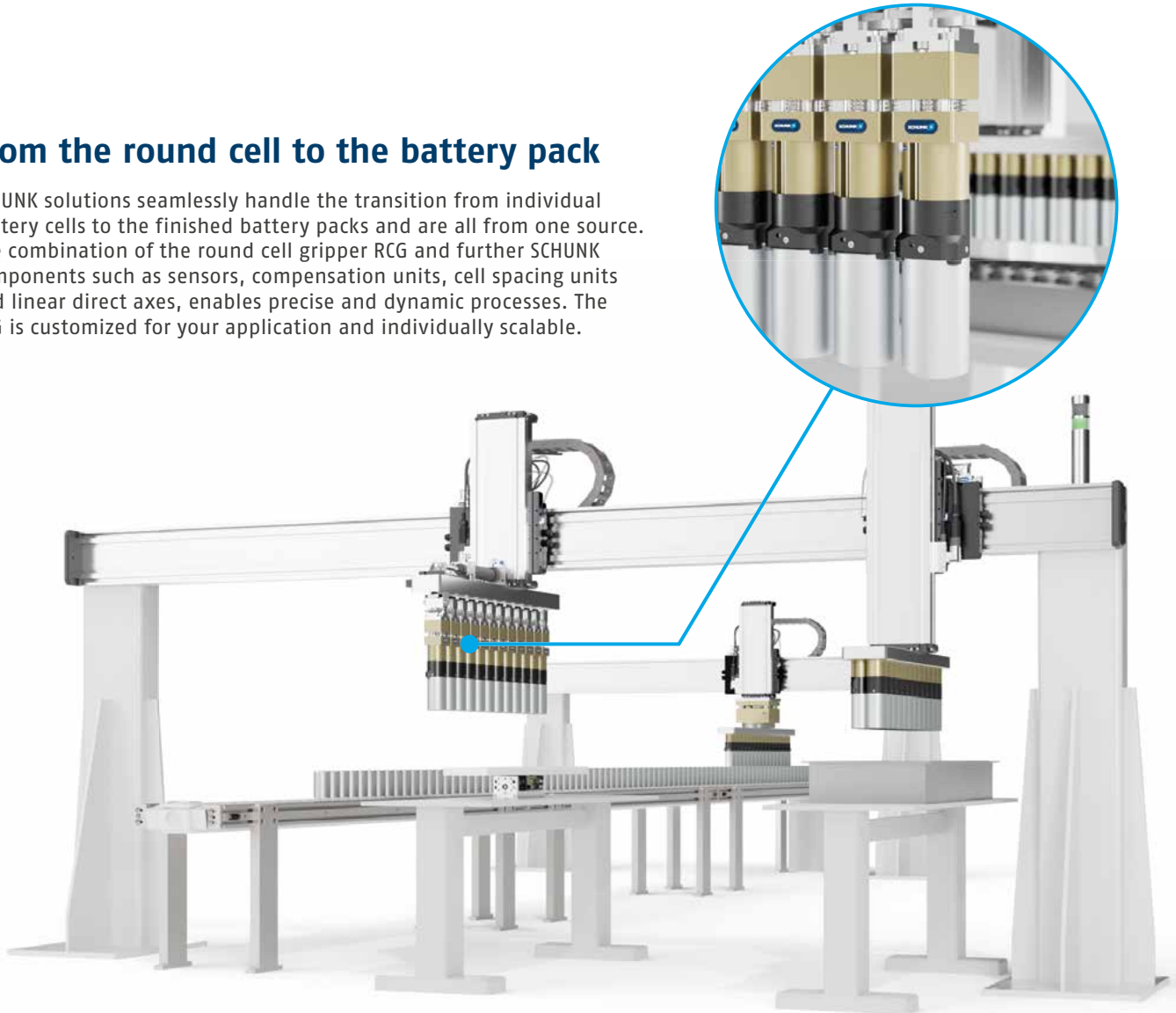
Your added value:

- + Compact dimensions**
of the single gripper ensures maximum packing density of battery cells
- + Maximum process reliability**
due to sensory workpiece and status detection
- + Avoidance of workpiece loss**
due to integrated gripping force maintenance, even in case of energy loss
- + Protection of the battery cell**
due to an insulation separating layer between gripper and battery cell
- + Shortened project implementation time**
due to the gripper's perfect fit with round cells as a standard product



From the round cell to the battery pack

SCHUNK solutions seamlessly handle the transition from individual battery cells to the finished battery packs and are all from one source. The combination of the round cell gripper RCG and further SCHUNK components such as sensors, compensation units, cell spacing units and linear direct axes, enables precise and dynamic processes. The RCG is customized for your application and individually scalable.



<https://youtu.be/8hTcyJfyrPs>

Magnetic gripper for 46 mm round cells



The centering aid of the versions -2 and -4 are used for compensating blister tolerances when picking up battery cells.



The magnetic gripper RCG can safely handle all common formats of round cells of \varnothing 46 mm.

Interested?

SCHUNK offers you the complete solution, whether as a single or as a complete component. Tell us more about your application – our experts will find the right solution together with you.

Tel.: +49-7133-103-3014
e-mobility@de.schunk.com



[schunk.com/e-mobility](https://www.schunk.com/e-mobility)

1585118-5M-03/2024



SCHUNK SE & Co. KG
Spanntechnik
Greiftechnik
Automatisierungstechnik

Bahnhofstr. 106 – 134
D-74348 Lauffen/Neckar
Tel. +49-7133-103-0
Fax +49-7133-103-2399
info@de.schunk.com
schunk.com

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Reg. No. 003496 QM15