

# At your service - worldwide



**TÜNKERS Maschinenbau GmbH**  
Am Rosenkoth 4-12  
40880 Ratingen  
Germany  
Tel.: +49 2102 4517-0  
info@tuenkers.de  
www.tuenkers.de

**EXPERT-TÜNKERS GmbH**  
Seehofstraße 56-58  
64653 Lorsch  
Germany  
Tel.: +49 6251 592-0  
info@expert-tuenkers.de  
www.expert-tuenkers.de

**HELU GmbH**  
Seehofstraße 56-58  
64653 Lorsch  
Germany  
Tel.: +49 6251 592-280  
info@helu.de

**SOPAP Automation SAS**  
P. A. Ardennes Emeraude  
Rue Henri Faure  
BP 11 09, 08090 TOURNES  
France  
Tel.: +33 3 24 52 94 64  
sopap@sopap.com

**ARGENTINA – TÜNKERS ARGENTINA**  
Tel.: +54 9 11 5801-9949  
raul.giacche@tuenkers.com.br

**AUSTRALIA – Romheld Australia Pty. Ltd.**  
30/115 Woodpark Rd  
Smithfield N.S.W 2164  
Tel.: +61 2 97211799  
sales@romheld.com.au

**AUSTRIA – B-S-D Spanntechnik GmbH**  
Sportplatzstrasse 31  
3385 Markersdorf  
Tel.: +43 2749 72870-0  
office@bsdustria.com

**BALTIC STATES – Vertriebsbüro Ost**  
Markt 11  
D-07426 Königsee  
Tel.: +49 36738 42432  
dieter.rauschenbach@tuenkers.de

**BELGIUM – SOPAP Automation SAS**  
P. A. Ardennes Emeraude  
Rue Henri Faure  
F-BP 11 09, 08090 TOURNES  
Tel.: +33 3 24 52 94 64  
sopap@sopap.com

**BRAZIL – Tünkers do Brasil Ltda.**  
Avenida Casa Grande, 850 – Galpão 6, 11 e 13  
Bairro: Casa grande  
09961-350 – Diadema – São Paulo  
Tel.: +55 11 4056-3100  
comercial@tuenkers.com.br

**CANADA – TÜNKERS-Mastech**  
36200 Mound Road  
Sterling Heights, MI 48312  
Tel.: +1 734 744 5990  
christian.heyer@tuenkers.com

**CHINA – TÜNKERS China**  
Tuenkers Machinery & Automation  
Technology Co., Ltd. Shanghai  
Building 4, No. 768 Chenxiang Road,  
Jiading District, Shanghai P.R.  
China, 201802  
Tel.: +86 21 39171070  
info@tuenkers.com.cn

Other Offices: Changchun, Nanjing, Chengdu,  
Beijing, Wuhan, Guangzhou, Yantai, Shenyang

**CZECH REPUBLIC – Vertriebsbüro Ost**  
Markt 11  
D-07426 Königsee  
Tel.: +49 36738 42432  
petr.cejka@tuenkers.sk

**CZECH REPUBLIC – Kopta s. r. o.**  
Vážní 891 / areál PSN I  
CZ-500 03 Hradec Králové  
Tel.: +420 495 53 1210  
kopta@kopta.cz

**DENMARK – Berga Maskin**  
64693 Gnesta  
Tel.: +46 158 31112  
info@berga-maskin.se

**FINLAND – Berga Maskin**  
64693 Gnesta  
Tel.: +46 158 31112  
info@berga-maskin.se

**FRANCE – SOPAP Automation SAS**  
P. A. Ardennes Emeraude  
Rue Henri Faure  
BP 11 09, 08090 TOURNES  
Tel.: +33 3 24 52 94 64  
sopap@sopap.com

**HUNGARY – TÜNKERS Slovakia s.r.o.**  
Roentgenova 26  
SK85101 Bratislava  
Tel.: +421 905 564 691  
juraj.rampasek@tuenkers.sk

**INDIA – TÜNKERS Automation India Private Ltd.**  
402 Supreme Head Quarters 36  
Mumbai-Pune Bypass  
411008 Baner-Pune  
Tel.: +91 98 60 699190  
jayesh.keskar@tuenkers.com

**INDONESIA – DAB Technology Pte. Ltd.**  
21 Woodlands Industrial Park E1, #03-04  
Singapore 757720  
Tel.: +65 6891 3286  
sales@dabtechn.net

**ITALY – TÜNKERS Italia**  
Strada TORINO, 43 EUROPLACE sub. 06  
10043 ORBASSANO-TORINO  
Tel.: +39 011 6471556  
s.tosco@tuenkers.it

**JAPAN – TÜNKERS Japan Ltd.**  
Daimyo Create Bldg. 6F  
Daimyo 1-8-20  
Chuo-ku, Fukuoka 810-0041 JAPAN  
Tel.: +81 80 83544786  
tomoo.kaku@tuenkers.de

**MALAYSIA – DAB Technology Sdn.Bhd.**  
No 9-2B Jalan Bandar 10, Pusat Bandar Puchong  
47100 Selangor  
Tel.: +603 8060 9448  
sales@dabtechn.net

**MOROCCO – SOPAP Automation SAS**  
P. A. Ardennes Emeraude  
Rue Henri Faure  
F-BP 11 09, 08090 TOURNES  
Tel.: +33 3 24 52 94 64  
michel.andre@tuenkers.de

**MEXICO – TÜNKERS DE MÉXICO, S.A. DE C.V.**  
Calle Emiliano Zapata No.17-2  
Col. Emiliano Zapata  
72810 San Andrés Cholula Puebla  
Tel.: +52 222 393 5547  
christian.volkmann@tuenkers.mx

**NETHERLANDS – TÜNKERS Maschinenbau GmbH**  
Am Rosenkoth 4-12  
D-40880 Ratingen  
Tel.: +49 2102 4517-0  
peter.czajkowski@tuenkers.de

**POLAND – TÜNKERS Slovakia s.r.o.**  
Roentgenova 26  
SK85101 Bratislava  
Tel.: +48 660 055 225  
jaroslav.rozmiarek@tuenkers.sk  
www.tuenkers.sk

**ROMANIA – TÜNKERS Maschinenbau GmbH**  
55068 Sibiu, Romania  
Tel.: +40-752 184 548  
traian.moga@tuenkers.sk

**RUSSIA – WEST-RU**  
Novikova-Priboya Str. 4 office 407  
603058 Nizhny Novgorod  
Tel.: +7 831 253 01 65

**RUSSIA – Cont Group**  
Office 315, Sibirskij Proezd 2-27  
Moscow 109316  
Tel.: +7 495 775 - 0377

**SERBIA – TÜNKERS Maschinenbau GmbH**  
55068 Sibiu, Romania  
Tel.: +40-752 184 548  
traian.moga@tuenkers.sk

**SINGAPORE – DAB Technology Pte. Ltd.**  
21 Woodlands Industrial Park E1  
#03-04  
Singapore 757720  
Tel.: +65 68913286  
enquiry@dabtech.net

**SLOVAKIA – TÜNKERS Slovakia s.r.o.**  
Roentgenova 26  
SK85101 Bratislava  
Tel.: +421 905 564 691  
juraj.rampasek@tuenkers.sk  
www.tuenkers.sk

**SLOVENIA – TÜNKERS Maschinenbau GmbH**  
55068 Sibiu, Romania  
Tel.: +40-752 184 548  
traian.moga@tuenkers.sk

**SOUTH AFRICA – Demcon (Cape) cc**  
PO Box 15237  
ZA-60110 Emerald Hill/Port Elizabeth  
Tel.: +27 41 4847411  
demcon@demcon.co.za

**SOUTH KOREA – JC Systems Co. Ltd.**  
#405 Ace Highend 9Cha, 233,  
Gasan digital 1-ro, Geumcheon-gu, Seoul  
Tel.: +82 70 7012089  
j3cho@chol.com

**SPAIN – TÜNKERS IBÉRICA, S.L.**  
c/ Enric Prat de la Riba, 14b  
08830 Sant Boi de Llobregat (Barcelona)  
Tel.: +34 93 3952827  
tuenkers@tuenkersiberica.com

**SWEDEN – BERGA MASKIN**  
SE-646 93 GNESTA  
Tel.: +46 158 311 12  
info@berga-maskin.se

**THAILAND – DAB Technology Co., Ltd.**  
H20 424/15 Kanchanapisek Rd.  
Dokmai, Praveit,  
Bangkok 10250  
Tel.: +66 97 072 8972  
rodchaya.jaranyanont@tuenkers.de

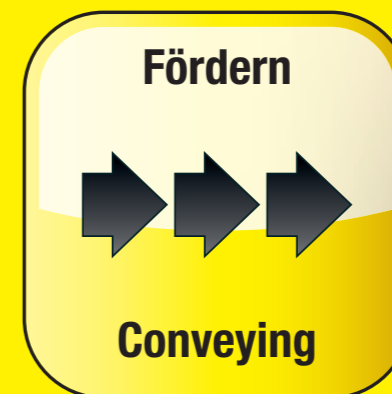
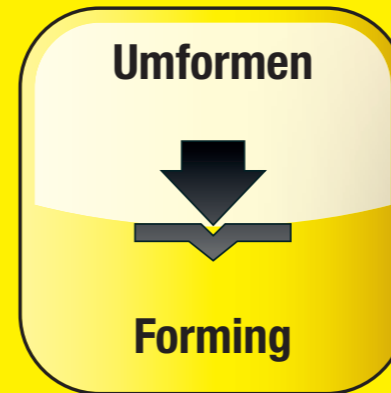
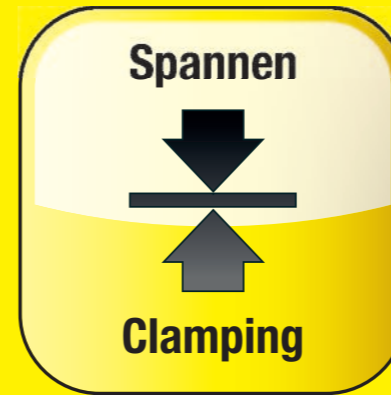
**TURKEY – Cava Makina**  
İmes Sanayi Sitesi E 503  
34776 Umraniye / Istanbul  
Tel.: +90 216 3809280  
alp.varna@cava.com.tr

**UK – TÜNKERS-EXPERT UK Ltd.**  
Unit 5, Ham Lane,  
Kingswinnford,  
West Midlands,  
DY6 7JR  
Tel.: +44 (0) 1384 287690  
neal.judge@tuenkers.de

**USA – TÜNKERS-Mastech**  
36200 Mound Road  
Sterling Heights, MI 48312  
Tel.: +1 734 744 5990  
christian.heyer@tuenkers.com

**VIETNAM – DAB Technology Pte. Ltd.**  
21 Woodlands Industrial Park E1  
#03-04  
Singapore 757720  
Tel.: +65 68913286  
enquiry@dabtech.net

# 9 MODULES OF AUTOMATION







As a German second-generation family business, we have developed from mechanical engineers into an international supplier of automation components and systems for serial production.

We share the enthusiasm for the technology offered by our established brands EXPERT®, HELU®, SOPAP® and TÜNKERS® with our worldwide staff of 1000, never failing to strive for the better, more innovative solution. This is another reason why our products are not simply merchandise but “home-grown products“, invented, designed, manufactured and marketed by us – always in close cooperation with our customers, the OEMs, plant engineers and engineering offices.

Even though the complexity of serial production is continuously on the rise, automation lines are generally based on the same functions of e.g. clamping, clinching and transporting. It is our objective to provide you with a viable construction kit for the 9 standard functions of robotic applications including robust maintenance-free modules designed for the extreme operating conditions of large series production in the automotive industry and its components suppliers. Our intrinsically safe turnkey modules come already equipped with drive units, transmission, process monitoring systems and matching interfaces to cover entire processes such as clamping or conveying.

Everything but the robot: TÜNKERS supplies the modules required for complex systems and fixtures in automation technology.

This TÜNKERS construction kit creates the basis for efficient plant engineering:

**Faster**

- because the consistent use of complete modules allows for faster system design
- no more time-consuming special solutions required

**More flexible**

- because standards may be rearranged easily and adapted to different general conditions

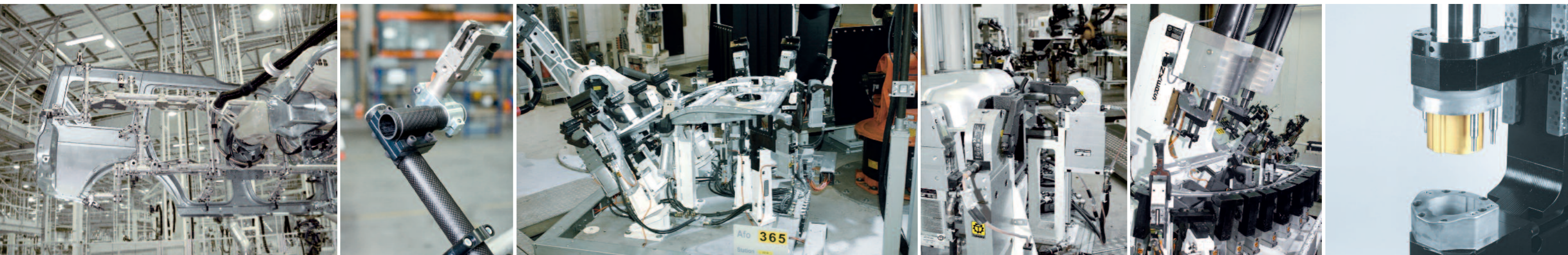
**Safer**

- because our products are always based on the proven technology and certified quality of the latest modules

**9 TÜNKERS modules**

It is our objective to optimize and expand the construction kit for you with a broad range of modules. A range that keeps on growing in line with our corporate philosophy – every day a new product idea and every week a new product. This approach is also reflected by the large number of our worldwide patents.

<p><b>Spannen</b></p> <p><b>Clamping</b></p> <p>Tools that keep the components in the right position in the fixture.</p>	<p><b>Positionieren</b></p> <p><b>Positioning</b></p> <p>Axles and cylinders that define the position of the component relative to the fixture.</p>	<p><b>Greifen</b></p> <p><b>Gripping</b></p> <p>Modular gripper systems, alternatively as aluminium, steel or carbon kits.</p>
<p><b>Umformen</b></p> <p><b>Forming</b></p> <p>Tools for working at the component – punching, embossing and clinching.</p>	<p><b>Schweißen</b></p> <p><b>Welding</b></p> <p>Weld clamps on the basis of toggle-lock clamps, operated by a robot or manually.</p>	<p><b>Dosieren</b></p> <p><b>Dosing</b></p> <p>Application of sealing and bonding seams.</p>
<p><b>Drehen</b></p> <p><b>Rotating</b></p> <p>Rotary indexing units as rotary tables, trunnion drive or small drive for indexed moving of complete fixture systems.</p>	<p><b>Fördern</b></p> <p><b>Conveying</b></p> <p>Transporting individual parts, e.g. for linking of production cells.</p>	<p><b>Transportieren</b></p> <p><b>Transporting</b></p> <p>Conveyor systems for transporting complete assemblies/ chassis, bodies-in-white and robots.</p>





# 9 MODULES OF AUTOMATION

<b>Spannen</b>  <b>Clamping</b>	<b>Mini clamp</b> PKS 16-25, K 16-25 	<b>Pneumatic gripper</b> GN 32/40 	<b>Positionieren</b>  <b>Positioning</b>	<b>Swivel unit</b> KS 80-200 	<b>Electric swivel unit</b> EKS 100-200 	<b>Greifen</b>  <b>Gripping</b>	<b>Round tube system (TRR)</b> 
<b>Parallel gripper</b> GP 80-200 	<b>Vario clamp</b> V 40-80 	<b>Electric clamp</b> EK 40-80 	<b>Skid</b> LE 30-1000 	<b>Linear cylinder</b> SZV/SVD series 	<b>Lifter</b> MZVD 40/63 	<b>Carbon tube system (TCR)</b> 	<b>One Screw System (TOS)</b> 
<b>Underbody clamp</b> K 32/60 UZ, APH 60 UZ 	<b>Swivel clamp</b> SCB/SCT 25-63 	<b>Manual clamp</b> HKC 32-63 	<b>Safety pin</b> SA/SAN series 	<b>Rotary table</b> RT 4/40 	<b>Turntable</b> TD 215/360 		<b>Euro Gripper Tooling System (EGT)</b> 

<b>Umformen</b>  <b>Forming</b>	<b>Punch C-clamp</b> CBMZ 	<b>Number embossing clamp</b> PFS 400 P 	<b>Schweißen</b>  <b>Welding</b>	<b>Weld clamp</b> 	<b>Robotic weld clamps</b> 	<b>Dosieren</b>  <b>Dosing</b>	<b>Doser</b> 	<b>Controller</b> 
<b>Servo clinch clamp</b> 	<b>Clinch clamp with electric drive</b> 	<b>C-bracket for positioning punch nuts</b> 	<b>Manual weld clamps</b> 	<b>Pump support</b> 	<b>Window pane bonding system</b> 			
<b>Hydraulic dual arm clamp</b> HFS 80-80 S 	<b>Suspension strut punch clamp</b> 	<b>Form and pierce clamp</b> 	<b>Special weld clamps</b> 	<b>Welding machines</b> 	<b>Press welding tools</b> 	<b>2K dynamic mixing system</b> 	<b>Swirl Fix system</b> 	

<b>Drehen</b>  <b>Rotating</b>	<b>Flexible rotary tables</b> 	<b>Trunnion drives</b> 	<b>Fördern</b>  <b>Conveying</b>	<b>Accumulating conveyor</b> 	<b>Chain conveyor vertical</b> 	<b>Transportieren</b>  <b>Transporting</b>	<b>Lift-and-carry unit</b> 	
<b>Simplex rotary tables</b> 	<b>Heavy-duty rotary tables</b> 	<b>Manual rotary tables</b> 	<b>Transfer system</b> 	<b>Belt conveyor</b> 	<b>Gravity conveyor</b> 	<b>Lift shuttle</b> 	<b>Roller conveyor lifter</b> 	
<b>Index drives</b> 	<b>Changing system for flexible floor clamping technology</b> 	<b>Rotary lift unit</b> 	<b>Heavy-duty roller conveyor</b> 	<b>Container systems</b> 	<b>Conveyor systems</b> 	<b>Rotary lift unit</b> 	<b>Level lifter</b> 	<b>7th axis robot</b> 