

PRECISION COMPONENTS

WHEN IT MATTERS MOST...

DreiTec Systems GmbH is your innovative partner for automation technology in the plastics processing industry.

DreiTec Systems offers solutions in the areas of:

- » Gripper construction
- » Vacuum technology
- » 3D laser sintering technology (Polyamide 12 and Alumide)
- » Special plant engineering
- » Sprue separation systems



Our customers benefit from our modern internal company structures, short response times, and high flexibility – especially in complex projects. An experienced and dedicated team is committed to the success of your projects. We support you from the early stages of product development all the way to SOP. This ensures a smooth and rapid start of series production.

DreiTec Systems GmbH is always at your side – and at no additional cost to you. The free provision of spare parts through a consignment stock complements our service philosophy and ensures cost-efficient spare parts storage as well as on-time delivery to your customers – at any time.

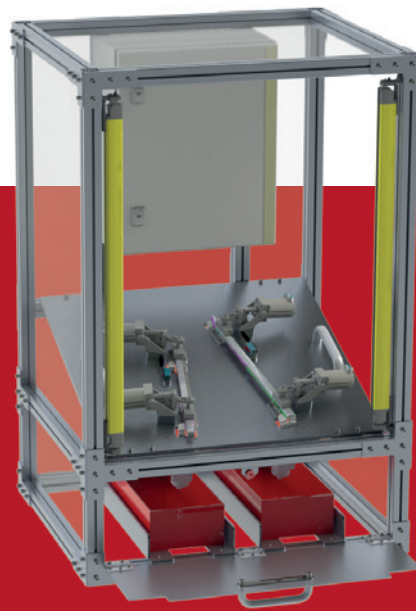
Service

With our many years of experience in the field of automation, you can be sure that you have found the right partner!

- » 3D design and in-house product development
- » Own products with minimal external purchasing
- » Highly flexible thanks to internal company structure
- » Many years of experience in tool engineering, process engineering, and automation
- » Pre-planning, service, and free consultation – also on site
- » Gripper construction and component sales
- » Large, IT-managed stock inventory
- » Everything from a single source – one point of contact, even for complex projects
- » Commissioning at your facility, worldwide
- » Free consignment stock
- » Training
- » After-sales service

DREITEC
SYSTEMS

Innovative Automation Technology



Special systems for the plastics industry

Cost savings through shorter cycle times

- » From concept to commissioning – everything from a single source
- » Solutions in accordance with ergonomic standards and machinery directives
- » Process reliability through high manufacturing quality
- » Comprehensive documentation including a declaration of conformity
- » Well-designed control system construction including electrical and pneumatic planning



Kontakt

DreiTec Systems GmbH

Am Bahnhof 15
D-57392 Schmallenberg

Tel.: +49 (0) 29 72 / 39 03 55 0
Fax: +49 (0) 29 72 / 39 03 55 99

info@dreitec-systems.de
www.dreitec-systems.de



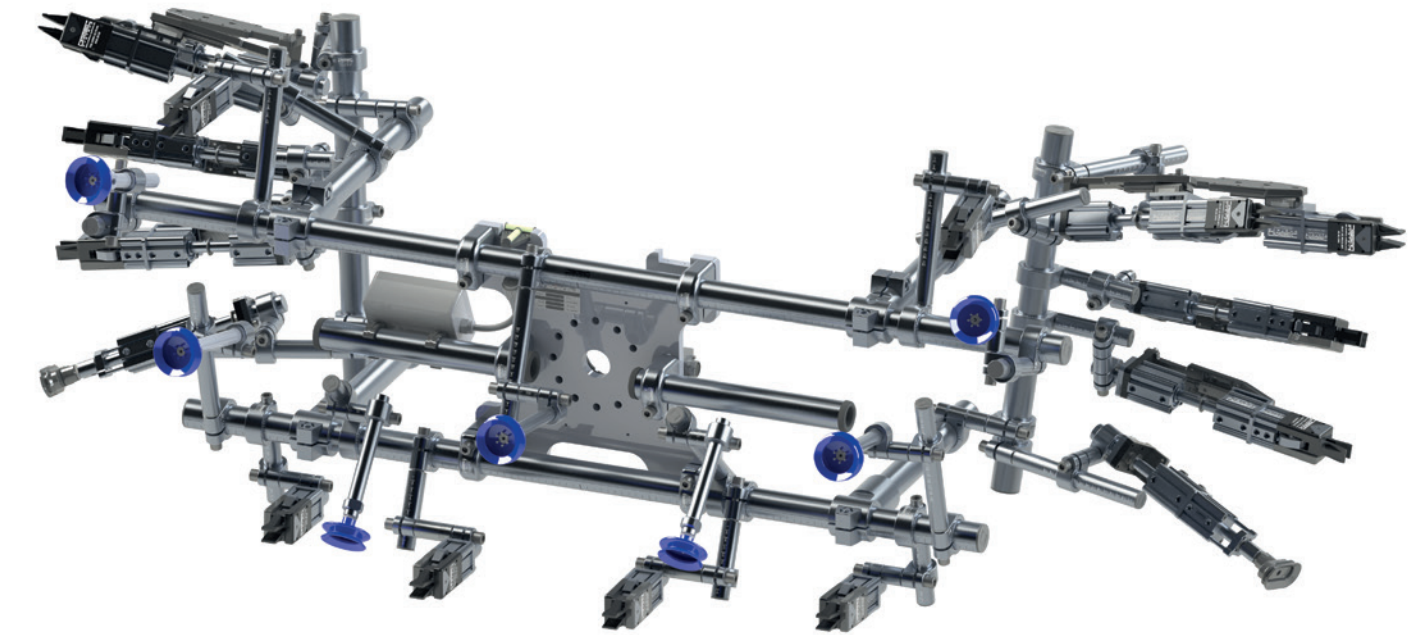
DREITEC
SYSTEMS

Innovative Automation Technology

Status: 10/2025

DREITEC
SYSTEMS

Innovative Automation Technology



WE REVOLUTIONIZE

PROCESS WORKFLOWS

with innovative solutions
and high-quality products

www.dreitec-systems.de

Modular systems - Quality Made in Germany

Thanks to the design and construction of DreiTec Systems clamping elements, you benefit from maximum process reliability, flexibility, and quality. In addition to our round-profile system (Repro system) – offering excellent weight reduction combined with flexibility – we naturally also provide the rectangular profile system. All components are compatible with the well-known modular systems on the market.

DreiTec Systems offers add-on components

- » All **DreiTec Systems** add-on components are 100% tested for quality and functionality.

Round-Profile-System (Repro-System)

flexible and lightweight

- » Particularly flexible and lightweight thanks to the 360° round design
- » Individual components can be assembled or disassembled with minimal effort.
- » Surface-refined components
- » Easy and well-designed installation options

Our innovative Repro System (scale system)

All components feature a zero line and detailed 5-point scaling.

- » Highly scratch-resistant and solvent-resistant scale markings. This enables quick, safe, and above all reproducible gripper adjustments.

Rectangular-Profile-System

reliable and proven

- » Depending on the weight and geometry of the workpiece or your application, we select the appropriate series: S, X, or L
- » Compatible with most common systems and easy to assemble



Gripper Tongs (Series 700)

Secure gripping without loss of force

- » Dual pistons provide remarkable gripping force performance
- » No loss of force thanks to the integrated internal piston return spring
- » Wide range of interchangeable gripper jaws – fully compatible with all common systems available on the market
- » Available with or without sensors – also offered as compact gripper tongs
- » Anodized surfaces ensure excellent sliding properties and outstanding wear protection

For more detailed information, we will be happy to assist you!

Gripper Tong 700.GZ.20.AZ.50.40.90 with contour and sensor jaw

Including sensor with 2 m cable
(also available as 700.GZ.20.AZ.50.40.95 with 0.3 m cable and M8 connector), sensor jaw with sensor protection



Gripper fingers (Series 300)

a firm hold

- » Aluminium housing
- » Operating principle: single acting
- » Slim and robust design
- » Secure workpiece holding through form-fit gripping
- » 100% compatible with all common modular systems
- » Available with thread (M12 x 1, M17 x 1) and pneumatic connection (M5, G1/8)
- » Available in outer diameters of 14 mm and 20 mm
- » Reliable repeatability thanks to our abrasion-resistant scale markings



700.GZEW.20.10.95.EHG.20.20

Movable gripper unit with Series 20 angle, 1x standard jaw, 1x sensor jaw, single stroke guided with 20 mm stroke, clamping pin diameter: 20.00 mm



700.GZK.32.10.10

Compact gripper unit of series 32 piston diameter: 32 mm, 2x standard jaws



300.GF.20.95.G18

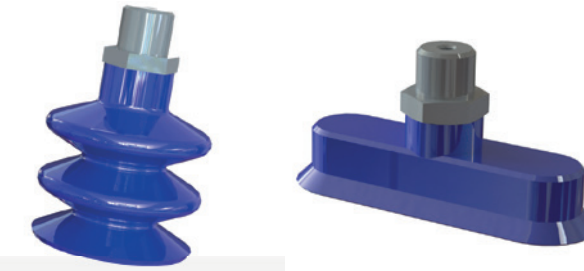
Gripper fingers of Series 20, swivel angle: 95°, single-acting, G1/8 with 300.GH.GF.20.D20 counter-holder made of Polyamide 12, with rubberized contact surface, Diameter: 20 mm



Vacuum solutions

Residue-free, secure handling

- » Wide range of shapes, diameters, and materials for all types of applications
- » Comprehensive selection of mounting nipples for various installation options



010.VS.42.STN.IM14
Bellows suction cup 2.5-fold, Ø = 42 mm, with adapter 1/4" external thread, Material: SITON

010.VPO.25.75.NBR.IM14
Flat oval suction cup, 25 x 75 mm, incl. adapter 1/4" external thread, Material: Nitril

Pneumatic accessories

ensuring optimal media flow – also for your application

- » Accessories available in numerous diameters, colors, shapes, and sizes
- » Quick assembly and disassembly



800.LV.8
L-connector, tubing D = 6 mm

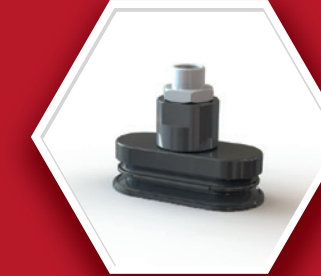
800.WEVD.18.6
Swivel elbow fitting, plastic/nickel-plated brass, for tube Ø 6.0 mm and G 1/8", rotatable, with restricted inlet air

Electrical distribution box

with Easy-Klip function

- » 19-fach Electrical distribution box
- » Easy connection of electrical components via plug-in system
- » Simple attachment of the DreiTec Systems EVB to the support tube thanks to Easy-Clip function
- » No need for screwing onto a mounting plate
- » Suitable for the round DreiTec Systems Flex-Light System and the rectangular aluminum profile

Many other electronic components are available from stock. We will be happy to assist you.



010.COBC.30.65.F38G

Oval bellows suction cup, dimensions: 30 x 65 mm, with 1.5 bellows COBC, G3/8 internal thread

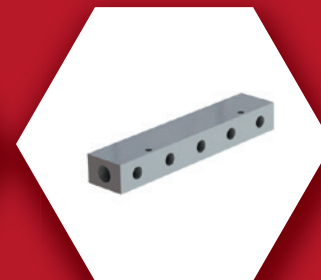


010.VSA.43.STN.IM14

Bellows suction cup 1.5-fold, Ø = 43 mm, incl. plug-in nipple G14, Material SITON (silicone-free)



800.TV.6 with hose
plastic hose for Da 6.0 mm (also available as straight, Y, and L connector)



800.VB.8G1/8.10
10-Way Manifold Block, 10 x G1/8 internal thread for air connection
Material: natural aluminum



750.ASZEQ.20

Automatic sprue cutting pliers square, with blade insert groove 12.00 mm



Electric distribution box 900.EVB.19.40.1.ST

17 LEDs with series resistor, 19-pole, incl. 2x Easy-Klips for AR 40x4



Inductive Sensor

900.BI2.Q5.5.AP6X.0.3.PSG3M