# SPECIAL WORKING TABLES

## WITH SYSTEM

- ► robust heavy load work benches
- ▶ ergonomic adjustable working height
- ▶ flexible wide variety of applications



### **ABOUT TEMPUTEC**



#### **TEMPUTEC GmbH**

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The manufacturing of individual products and modules faces raising pressure by increasing standardization supporting mass production. This mainly price driven trend often leaves the customer and process requirements behind. Special functional, ergonomical and ecological often remain uncovered.

TEMPUTEC develops, designs and manufactures products which are dedicated to the functional an economical aspects as requested by individual customers and markets.

Therefore TEMPUTEC puts robustness and simplicity of use into the center of its activities. The product groups developed and realized by TEMPUTEC are consequently based of modular platforms in order to achieve a maximum of individuality to match both customer expectations, functionality and price.

TEMPUTEC can fulfill very specific requirements due to a wide variety of product options selected from modular item systems.

The Temputec GmbH emerged from the Eisenacher Motorrad Manufaktur GmbH, founded in 2010 in Eisenach, Germany. In the beginning years the company was working at concepts for E-boosting of Oldtimer Motorcycles and development of matching frame components.

Mainly own requirements on efficient manufacturing processes of single parts and small series already raised the demand on flexible working stations.

Experience in leading sheet metal processing technology, metal (MIM) and plastic injection molding and as praxis in industrial serial production created already multiple cost effective customer solutions.

Over the last years the Eisenacher Motorrad Manufaktur GmbH became next to its role as developer also an equipment manufacturer of height adjustable fixtures, support and working systems.

Today the company resides as TEMPUTEC GmbH in the city of Wutha-Farnroda/Thuringia. Our company lives a height degree of responsibility for environmental protection and employs mainly regional suppliers.

René Hornung



Our Products  Special Working Tables for Industry, Crafts and Services	
TEMPUTEC FIX series – SST, SWT, SFT	4/5
TEMPUTEC FLEX series – SST, STW, SFT	6/7
TEMPUTEC FIX series – SMT	8/9
TEMPUTEC FLEX series – SMT	10/11
Overview Accessories	12
Accessory Kits	13
TEMPUTEC Modul System	14
Service	15



### **TEMPUTEC FIX SERIES - SST, SWT, SFT**



**WORKING TABLE SYSTEMS – FIX** 

The special working tables of the SST/SWT FIX series are ideal workplaces for efficient clamping, welding and processing adhesive bonding structures such as railings, racks, appliances, etc.

With the help of our extensive assortment of clamping devices (see section "Clamping Table Accessories") these table systems are usable as flexible fixtures for high-quality manufacturing of small and medium volume products.

With its 16 mm thick metallic plate and Ø28 hole grid the working benches are usable as 3D-welding table system (tabletops also are available with a 25 mm (triple plate 24+1mm) plate version for extreme heavy working tasks).

Additionally the table pate has 100 x 100mm line grid markings to assist alignment of workpieces or appliances.

The Ø28 system hole grid allows the use a variety of clamping elements and fixation aids. For special process requirements, it is possible to alter the working plate materials to for example, stainless steel 1.4301, aluminum, polymer or even high strength ST70 materials.

Due to the comprehensive bolted joint design the working plate can be renewed at low cost if wear occurs later. The table system is therefore especially long-living.

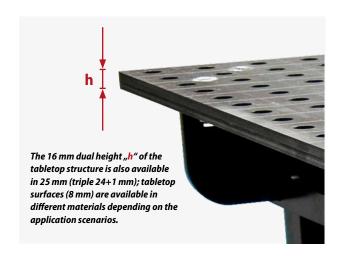
The table below provides an overview of the available standard models.

### Features of **TEMPUTEC** SST FIX series:

- extremely rugged solid steel design, comprehensive bolted joint design
- secure and stable by up to 650 kg net weight and levelling feet
- · tabletop of 16 mm thickness dual or 25 mm (triple) with Ø28 mm hole grid
- 100x100 mm line grid for alignment of workpieces or appliances
- variety of tabletop materials (aluminium, stainless steel, polymer, etc.)
- · surface coated in black RAL 9005 (powder or KTL, with exception of tabletop unit)
- · surface can be coloured individually on demand

SST fix table models in size S have extension modules. Combining several Format-S fix models allows for the creation of any size of system arrangements.

For special applications (processing stainless steel, painted or coated components, or wood) the tabletop material on demand may be altered from standard ST52 to either 1.4301 stainless steel, aluminium, polymer or high strength ST70.



Name		Mat. ST52 Item no.	Working Area in mm	Tabletop thickness in mm (h)	Ø in mm	Tabletop height in mm	Max. load inkg	Net weight in kg
SST 80/16 S	5	100319	1,400 x 900	16	28	800	2,000	235
SST 80/16 SL	SL	100345	1,950 x 950	16	28	800	2,000	285
SST 80/16 XSL	XSL	100363	1,950 x 1,480	16	28	800	2,000	418
SST 80/16 M	M	100320	2,480 x 1,230	16	28	800	2,000	472
SST 80/16 L	L	100321	2,980 x 1,480	16	28	800	2,000	630
SWT 80/16 S	5	100328	1,400 x 900	16 x 200	28	800	2,000	315
SWT 80/16 SL	SL	100350	1,950 x 950	16 x 200	28	800	2,000	355
SWT 80/16 XSL	XSL	100366	1,950 x 1,480	16 x 200	28	800	2,000	387
SWT 80/16 M	M	100239	2,480 x 1,230	16 x 200	28	800	2,000	650
SWT 80/16 L	L	100330	2,980 x 1,480	16 x 200	28	800	2,000	850

### **TEMPUTEC FLEX SERIES - SST, SWT, SFT**



Pic.: Temputec SWT 65-105/16 L, plate dimensions 2,980 x 1,480 mm SWT version with 200 mm side panels, Standard version SST without side panels

### **WORKING TABLE SYSTEMS FLEX**

Special working tables of the TEMPUTEC FLEX series also have a 100 x 100 mm Ø 28 hole grid same as the FIX series. In addition the FLEX series tables are featured with a manual or 200V or 400V electro-hydraulic height adjustment system.

This allows the users to adjust the entire system table to a special working height to improve the operation conditions without sacrificing ergonomics and cost-efficiency. The range of the height adjustment reaches from 650 - 1,050 mm or even 250 - 900 mm.

The height adjustment of the tables combined with its capability to move them around by just using a standard hand forklift truck enabeling a flexible use of such systems also at

### Features of TEMPUTEC SST FLEX series:

- extremely rugged solid steel design,
- comprehensive bolted joint design
- height-adjustable from 650 1050 mm or optional even 250 mm – 900 mm
- secure and stable by up to 890 kg net weight and levelling feet
- table plate thickness dual 16mm or triple 25 mm with Ø 28 mm hole grid
- 100x100 mm line grid for alignment of workpieces and appliances
- wide variety of tabletop materials (aluminium, stainless steel, polymer, etc.)
- no power supply necessary with manual hydraulic but 220/400V electro-hydraulic drive also available on demand
- components coated in black RAL 9005 (powder or KTL, with exception of tabletop unit)individual colorations feasible at extra costs

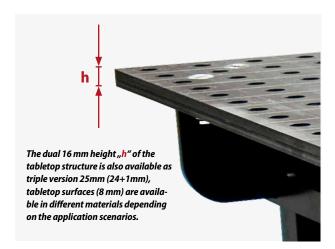
other machinery in order to perform secondary operations or maintenance work locally.

Special working tables are ideal solutions for the maintenance of heavy toolings such as used for injection molding, die casting, forging or similar.

Due to the comprehensive bolted joint design the clamping plate can be replaced at low cost if wear occurs later. The table system is therefore especially long-living.

The table below provides an overview of the available standard models.

For special applications (processing stainless steel, painted or coated components, or wood) the tabletop material on demand may be altered from standard ST52 to either 1.4301 stainless steel, aluminium, polymer or high strength ST70.



Name		Mat. ST52 Item no.	Working Area in mm	Tabletop thickness in mm (h)	Ø in mm	Tabletop height in mm	Max. load inkg	Net weight in kg
SST 65-105/16 S	5	100437	1,400 x 900	16	28	650 - 1,050	2,000	305
SST 65-105/16 SL	SL	100471	1,950 x 950	16	28	650 - 1,050	2,000	348
SST 65-105/16 XSL	XSL	100483	1,950 x 1,480	16	28	650 - 1,050	2,000	491
SST 65-105/16 M		100438	2,480 x 1,230	16	28	650 - 1,050	2,000	555
SST 65-105/16 L	L	100439	2,980 x 1,480	16	28	650 - 1,050	2,000	725
SWT 65-105/16 S	5	100455	1,400 x 900	16 x 200	28	650 - 1,050	2,000	425
SWT 65-105/16 SL	SL	100479	1,950 x 950	16 x 200	28	650 - 1,050	2,000	475
SWT 65-105/16 XSL	XSL	100483	1,950 x 1,480	16 x 200	28	650 - 1,050	2,000	615
SWT 65-105/16 M		100456	2,480 x 1,230	16 x 200	28	650 - 1,050	2,000	733
SWT 65-105/16 L	L	100457	2,980 x 1,480	16 x 200	28	650 - 1,050	2,000	945

### **TEMPUTEC FIX SERIES - SMT**

5

Pic.: Temputec SMT 80/16 S in standard color black Plate dimensions 1,480 x 980 mm





Pic.: SMT 80/16 SL, plate dimensions 1,980 x 980 mm



Pic.: SMT 80/16 M, plate dimensions 2,480 x 1,230 mm

Work aids, e.g. vices, fixtures, etc. are simple and solidly mountable. For the mounting of sensitive parts, 6 mm rubber mats are available.





### **ASSEMBLING TABLES – FIX**

X

Welding and assembly tables of the SMT FIX series are solid workplaces: suitable for everyday use, for handling heavy workpieces, for working with electric power tools or chemical and oily substances. The solid steel tabletop of up to 20 mm thickness can cope with heavy shocks or blows which often occur when working with heavy hand tools or handling very heavy metal workpieces without meaningful distortion or indentations.

The metal tabletop allows for unrestricted use of magnetic fixtures for holding components. This universal table provides sufficient protection against tipping over even when loaded with heavy objects or tools despite its 800 mm working height thanks to its very high net weight.

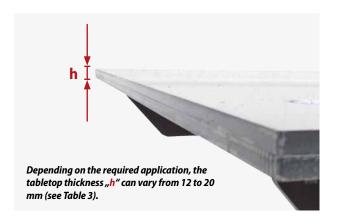
The following table 1 provides an overview of the available standard models.

### **Features of TEMPUTEC SMT FIX series:**

- extremely rugged solid steel design, comprehensive bolted joint design
- secure and stable by up to 1,020 kg net weight and levelling feet
- tabletop of at least 12 mm thickness, can be varied up to 20 mm
- surface coated in black RAL 9005 (powder or KTL, with exception of tabletop)
- surface can be colored individually at extra costs

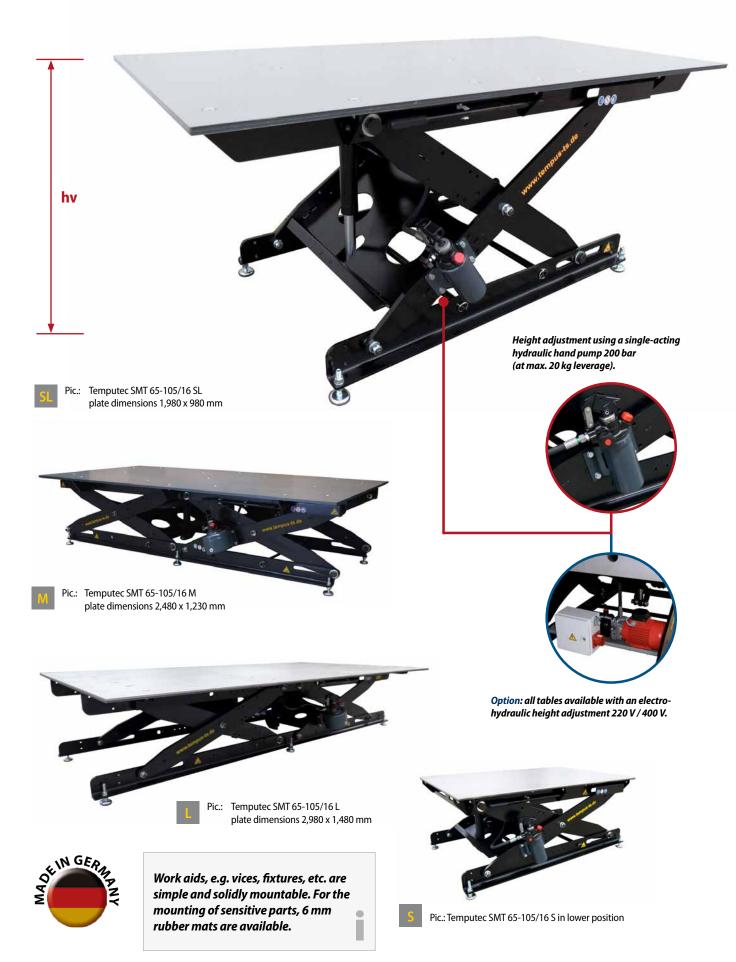
SMT fix table models in size S have extension modules. Combining several Format-S fix models allows for the creation of any size of system arrangements.

For special applications (processing stainless steel, painted or coated components, or wood) the tabletop material on demand may be altered from standard ST52 to either 1.4301 stainless steel, aluminium, polymer or high strength ST70.



Name		Mat. ST52 Item no.	Working Area in mm	Tabletop thickness in mm (h)	Tischhöhe in mm	Max. load inkg	Net weight in kg
SMT 80/12 S	5	100100	1,480 x 980	12	800	2,000	194
SMT 80/16 S	5	100101	1,480 x 980	16	800	2,000	231
SMT 80/20 S	5	100102	1,480 x 980	20	800	2,000	291
SMT 80/12 SL	SL	100118	1,980 x 980	12	800	2,000	241
SMT 80/16 SL	SL	100119	1,980 x 980	16	800	2,000	305
SMT 80/20 SL	SL	100120	1,980 x 980	20	800	2,000	369
SMT 80/12 XSL	XSL	100151	1,980 x 1,480	12	800	2,000	399
SMT 80/16 XSL	XSL	100152	1,980 x 1,480	16	800	2,000	440
SMT 80/20 XSL	XSL	100153	1,980 x 1,480	20	800	2,000	529
SMT 80/12 M	M	100103	2,480 x 1,230	12	800	2,000	386
SMT 80/16 M	M	100104	2,480 x 1,230	16	800	2,000	461
SMT 80/20 M	M	100105	2,480 x 1,230	20	800	2,000	586
SMT 80/12 L	L	100106	2,980 x 1,480	12	800	2,000	532
SMT 80/16 L	L	100107	2,980 x 1,480	16	800	2,000	640
SMT 80/20 L	L	100108	2,980 x 1,480	20	800	2,000	820

### **TEMPUTEC FLEX SERIES - SMT**



### **ASSEMBLING TABLES - FLEX**

Welding and assembly tables of the SMT FLEX series are solid, height-adjustable workplaces: suitable for everyday use, for handling heavy workpieces, for working with electric power tools or chemical and oily substances.

The tables can be easily moved with the transport bars in the foot rail using a lift truck and can be easily height-adjusted to other work areas. Height-adjustment covers a range of 650 mm to 1,050 mm.

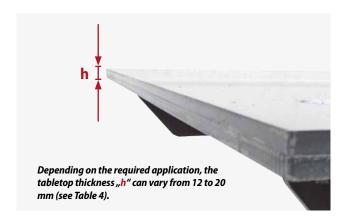
The solid steel tabletop of up to 20 mm thickness can cope with heavy shocks or blows which often occur when working with heavy hand tools or

handling very heavy metal workpieces or tools without meaningful distortion or indentations.

The metal tabletop allows for unrestricted use of magnetic fixtures for holding components. This universal table provides very good protection against tipping over even when loaded with heavy objects or tools even in its highest working position thanks to its very high net weight. The following table provides an overview of the available standard models.

### Features of TEMPUTEC SMT FLEX series:

- extremely rugged solid steel design, comprehensive bolted joint design
- secure and stable by up to 1,020 kg net weight and levelling feet
- tabletop of at least 12 mm thickness, can be varied up to 20 mm
- no power connection necessary
- mobile due to attachments for transport by lifting truck
- urface coated in black RAL 9005 (powder or KTL, with exception of tabletop)
- · surface can be colored individually at extra costs



Name		Mat. ST52 Item no.	Working Area in mm	Tabletop thickness in mm (h)	Tischhöhe in mm (hv)	Max. load inkg	Net weight in kg
SMT 65-105/12 S	5	100236	1,480 x 980	12	650 - 1,050	2,000	335
SMT 65-105/15 S	5	100237	1,480 x 980	16	650 - 1,050	2,000	371
SMT 65-105/20 S	5	100238	1,480 x 980	20	650 - 1,050	2,000	431
SMT 65-105/12 SL	SL	100255	1,980 x 980	12	650 - 1,050	2,000	385
SMT 65-105/16 SL	SL	100258	1,980 x 980	16	650 - 1,050	2,000	445
SMT 65-105/20 SL	SL	100261	1,980 x 980	20	650 - 1,050	2,000	510
SMT 65-105/12 XSL	XSL	100280	1,980 x 1,480	12	650 - 1,050	2,000	480
SMT 65-105/16 XSL	XSL	100283	1,980 x 1,480	16	650 - 1,050	2,000	575
SMT 65-105/20 XSL	XSL	100256	1,980 x 1,480	20	650 - 1,050	2,000	670
SMT 65-105/12 M	M	100239	2,480x1,230	12	650 - 1,050	2,000	600
SMT 65-105/16 M	M	100240	2,480x1,230	16	650 - 1,050	2,000	675
SMT 65-105/20 M	M	100241	2,480x1,230	20	650 - 1,050	2,000	800
SMT 65-105/12 L	L	100242	2,980x1,480	12	650 - 1,050	2,000	732
SMT 65-105/16 L	L	100243	2,980x1,480	16	650 - 1,050	2,000	840
SMT 65-105/20 L	L	100244	2,980x1,480	20	650 - 1,050	2,000	1.020



### **CLAMPING TABLE ACCESSORIES**



### SST/SWT/SFT ACCESSORY KITS





Pic.: Starter-Kit with accessory trolley



Pic.: Profi-Kit with accessory trolley

Table	e 5					
#	Item no.	Name	Qty.	Content	Fig.	ltem no.
			8	Adjustable clamp	1	100501
			2	Horizontal clamp	3	100601
			4	Stop Bar	14	100940
			2	Stop Angle M	12	100920
1	090009	Basis-Kit	2	Stop Angle Vertical S	15	100950
			2	Stop Angle Vertical L	17	100970
			2	Plugging bolt	5	101120
			8	Plug holder / bolt adapter	4	101110
			4	Ball Clamping Bolt 36	8	100829
			8	Adjustable clamp	1	100501
			2	Horizontal clamp	3	100601
			2	45°-clamp	2	100703
			4	Stop Bar	14	100940
			2	Stop Angle M	12	100920
2	090015	Starter-Kit	2	Stop Angle L	13	100930
2	090013	Starter-Nit	2	Stop Angle Vertical S	15	100950
			2	Stop Angle Vertical L	17	100970
			4	Plugging bolt	5	101120
			8	Plug holder / bolt adapter	4	101110
		Starter-Kit with accessory trolley Profi-Kit	6	Ball Clamping Bolt 36	8	100829
			2	Ball Clamping Bolt 40	7	100827
3	090014		1	Starter-Kit	26	090015
3	090014		1	Starter accessory trolley	40	102003
			14	Adjustable clamp	1	100501
			2	Horizontal clamp	3	100601
			4	45°-clamp	2	100703
			6	Stop Bar	14	100940
			1	Stop Angle S	11	100910
			2	Stop Angle M	12	100920
			2	Stop Angle L	13	100930
4	090017		2	Stop Angle Vertical S	15	100950
			2	Stop Angle Vertical M	16	100960
			2	Stop Angle Vertical XL	18	100980
			6	Plugging bolt	5	101120
			16	Plug holder / bolt adapter	4	101110
			8	Ball Clamping Bolt 36	8	100829
			2	Ball Clamping Bolt 40	7	100827
			4	Prism Ø40	20	101009
5	090016	Profi-Kit with accessory trolley	1	Profi-Kit	27	090017
,	3 090010	Tron Nic With accessory frontey	1	Profi accessory trolley incl. 4 Stock Boxes		102004

### **Versions and modules**

TEMPUTEC working tables and functional workstations can be individually configured from different panel and frame combinations. In addition, we also supply individual plates and frames for individual customer use. Thus, in addition to the product examples provide a whole range of table systems - optimally adapted to your requirements for a modern and efficient workplace set-up. Design your own working table using the scheme below.

**Type SST** 

Modules / Type Guide								
Α	В	C	D	E	F			
Table variant according to plate type	Height by frame variant	Strenght of the working plate	Dimensions of the working plate	Plate materials	Diameter of the system holes			
SST	80 /	′ 16	М	ST70	Ø16			

**Fabletop** 

Table Version



Plates with system holes and line grid



Plates with system holes, line grid and 200 mm side panels



**Fixed Frame (FIX)** 

Plain closed plate without system features

**Type SMT** 

#### **Scissor Lift Frame (FLEX)**



With manual hydraulics or optionally with electrohydraulics.





4 to 6 stands depending on the model. The mounting rails can be individualy designed according to customer requirements.

Height

Frame





16 mm Dual Plate 25 mm Triple Plate Without cavity

Material variants for the working surface - see E

#### **SWT 16 mm**

**Type SWT** 



Dual from 2x 8 mm plates mit 200 mm (used for the sidebars, too) Material variants for the working surface - see E



12mm Dual Plate 2x 6mm 16mm Dual Plate 2x 8mm 20mm Dual Plate 2x 10mm Without cavity Material variants for the working surface - see E

SMT 12, 16 or 20 mm

**Dimension** 

**Tabletop Configuration** 

**Dimensions SST** 

SL 1.950 x 950 mm XSL 1,950 x 1480 mm

L 2980 x 1480 mm

Variants of tabletops SST:

SST 16 or 25 mm

S 1,400 x 900 mm combinable into large associations

M 2,480 x 1,230 mm

**Dimensions SWT** 

Variants of tabletops SWT: S 1.450 x 950 mm

SL 1.950 x 950 mm

XSL 1,980 x 1480 mm M 2,480 x 1,230 mm

L 2,980 x 1,480 mm

**Dimensions SMT** 

Variants of tabletops SMT: 5 1,480 x 980 mm

SL 1.980 x 980 mm

XSL 1,980 x 1480 mm

M 2,480 x 1,230 mm L 2,980 x 1,480 mm

#### Material variants for the working surface

**Table Top Materials Optional Materials** Tensile Strenght Mpa Hardness HBa Hardness ca. HV ST52 Standard S355, 1.0976 Rm 430-550 128-163 175 ST70 Higher Strength Steel S700, 1.8974 Rm 780-950 220-280 265 VA Stainless Steel 304, 1.4301, Niro Rm 500-700 150-200 205 Special materials Aluminum, plastic, etc.

System holes for use with clamping means and accessories (SST & SWT)

**System Holes** 

**Tabletop Material** 





Ø28 mm perforation, standard for all tabletop versions



Ø16 mm perforation, for all tabletop versions S und SL (more on your request)



Dear customer,

Please direct all request for quotation, inquiries or recommendations to our customer service staff:

Fon: +49 36921 3177-0 Fax: +49 36921 3177-29 Mail: info@temputec.de

In addition, you may submit your inquiry online through our website **www.temputec.de**, where you can also find more information and illustrations of TEMPUTEC products! Information's regarding the actual prices of all accessories as shown in this brochure are also available on the TEMPUTEC website **www.temputec.de** 

Prices for our table systems just available upon request or at our local trading partner.

TEMPUTEC products are regularly exhibited at industry and trade shows. Please refer to our customer service for the dates. Besides visiting trade fairs, a number of technical speciality retailers can be addressed as contact persons for the presentation of TEMPUTEC products. Our customer service will gladly assist you to find the dealer in your area.

#### Orders

should be sent by fax to: # +49 (0)36921 3177-29

or by mail to the following address:

**TEMPUTEC GmbH**An der Allee 15
99848 Wutha-Farnroda
Germany

#### Order confirmation

In all cases you will receive a written order confirmation. Orders are executed under the General Terms and Conditions of TEMPUTEC GmbH in its actual version as displayed at the website www.temputec.de. Deviating conditions must be explicitly requested and will, if acceptable, be part of the written order confirmation.

#### **Delivery**

All larger objects are dispatched as an assembly kit with relevant assembling instructions.

Please prepare appropriate unloading facilities on site for handling the packaging units off the truck which may weight up to 1 ton. Shipment of systems in "ready to use" assembled condition must be confirmed in the order acknowledgement process.

If not confirmed differently all delivery conditions are understood to be ex works condition. For self pick-up from our locations the pick-up time must be confirmed 24hrs prior pick-up date.

In all cases you ordered our customer service staff to send the goods to your expense, the estimated freight cost will be part of the order acknowledgement. Finally charged freight cost may deviate since all quoted freight costs have to be understood as estimates to the forwarders daily freight rates. You will be contacted for confirmation if best daily freight rate would exceed initially quoted prices.

# TEMPUTEC

**Your Service Partner:**