

Cutting edge processing with...

The granulator for the smallest sprues.



Wanner B 08.10



The specialist for brittle materials



Wanner Xtra2



The beside-the-press granulator with numerous benefits



Wanner C13.20s
Standard



The universal granulator for massive parts



Wanner D25.38
with noise protection



The central granulator for large parts and high throughputs



E 45.80



The compact regranulator system



Wanner TG



...Wanner

granulators and regranulator systems

The Baby Series



The solution for small sprues in production and for laboratory use

The Baby granulator is specially designed for smaller sprues and low throughputs. With its very compact dimensions, this granulator can be accommodated almost anywhere and therefore is also very suitable for laboratory applications. The granulator is suitable for all kind of plastic materials, due to the low rotor speed the plastic materials are processed to high-quality, low-dust regrind.

The granulating chamber can be opened quickly and simply and can be cleaned rapidly, facilitating quick changes in materials or colour. The optimized cutting geometry with a cascaded rotor in chevron design guarantees a very effective granulating process and also reduces the energy consumption.



The granulator B08.10 is very compact

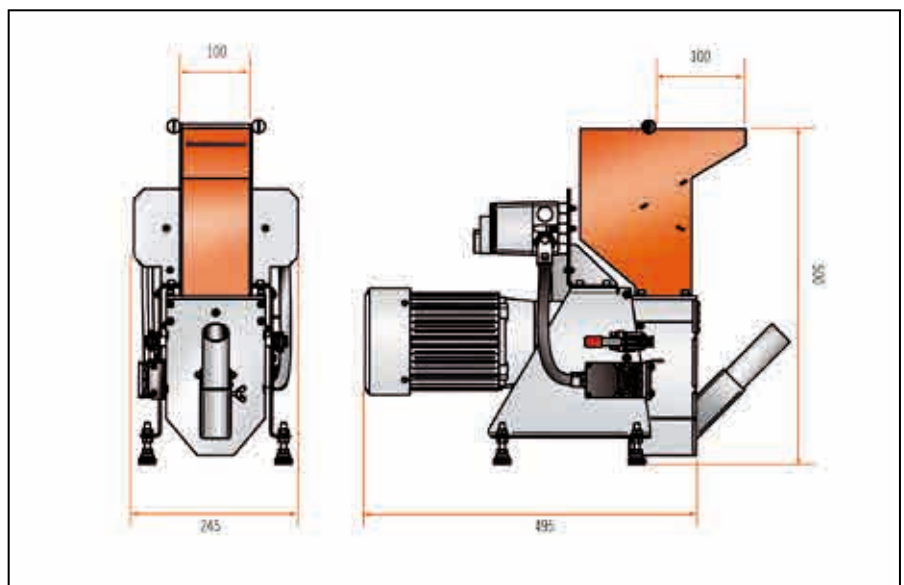
Technical data

B 08.10

Cutting chamber opening	80 x 100 mm ²
Rotor diameter	90 mm
Rotor knives	9
Stator knives	2
Motor power	0.75 kW
Power supply	400 V / 50 Hz
Screen size	3-5 mm
Weight	approx. 40 kg



The cutting chamber of the granulator is easily accessible and can be cleaned rapidly.



Dimensions B08.10 Standard

The Xtra-Series



The special granulator for demanding users.

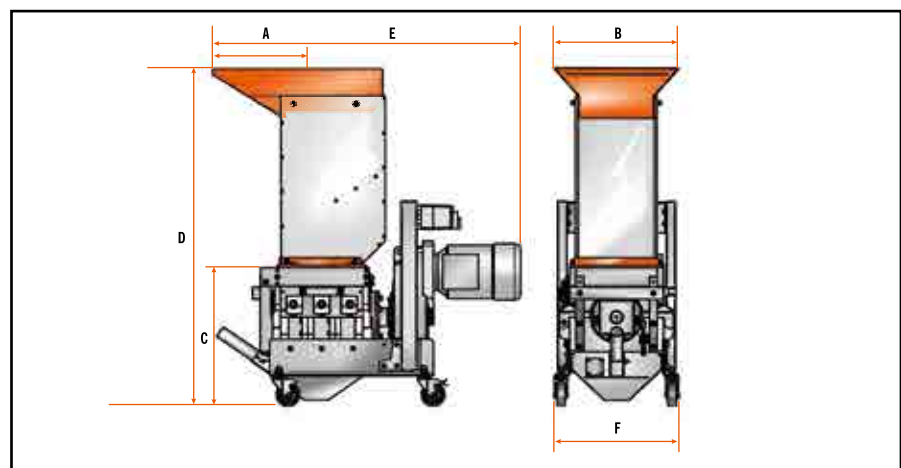
The screenless type of crusher granulator of the Xtra Series is ideal for brittle plastic materials. With large primary crushers, plastic sprues and parts are pre-crushed before being broken down to a final size via the toothed rollers (available with 4 and 5 mm teeth) without screening. There are benefits compared with blade granulators with screen, in terms of regrind quality and use, in particular with brittle materials. As a result, the noise level is lower when granulating massive sprues and the regrind has fewer fine parts when processing brittle plastics.

The Xtra-Series machines are also very compact and easy to clean. The hardened cutting tools made from high quality steel alloys guarantee a long service life even when processing abrasive plastics. The screenless crusher granulators are available in different configurations and are easy to adapt to specific user requirements.



The Xtra2 comes equipped with two massive primary crushers. Each primary crusher has 3 crusher arms to facilitate faster pre-crushing and increase throughput.

Xtra 2 screenless type of granulator with sprue picker hopper.



Technical data

	Xtra 1	Xtra 2	Xtra 3
Cutting chamber opening	260 x 170 mm ²	260 x 260 mm ²	260 x 350 mm ²
Tooth rollers	2 pcs	3 pcs	4 pcs
Primary crusher	1 pc / 3 arms	2 pcs / 3 arms	3 pcs / 3 arms
Rotor speed	32 / min	32 / min	32 / min
Tooth size		4 mm - 5 mm	
Motor power	1,1 kW	1,5 kW	2,2 kW
Power supply		400 volts/ 50 Hz	
Weight (Standard)	210 kg	230 kg	250 kg
Control	protective controller with overload release, 5 m connecting cable.		

Dimensions

	Xtra 1	Xtra 2	Xtra 3
A	200	290	290
B	330	400	400
C	450	450	500
D	945	1110	1200
E	900	990	1125
F	425	425	425

Motors for other voltages are available upon request.

The Compact Series



The beside-the-press granulators with numerous benefits

The universal beside-the-press granulator series with tried and trusted technology for injection and blow moulding applications.

The optimized cutting configuration facilitates the processing of all types of plastics to a high-quality, low-dust regrind. This applies whether granulating soft rubber, TPEs or reinforced, abrasive technical plastics.

The modular construction allows the individual models to be easily adapted, enabling fast and inexpensive customized solutions for your requirements.

The C-Series granulators are manufactured with special hardened wear-protection components as standard, making these the ideal all-round machines for all plastic processors who use a broad range of plastic materials.

The cutting chamber is opened with just a few handles, freely accessible from 3 sides and is quick and easy to clean, making frequent changes of materials problem-free.

The large cutting chamber, made from vibration-reducing cast components, and the double-walled infeed chute ensure that the granulators are relatively quiet even when grinding hard and brittle plastics.



C 13.20s in standard design

C 17.26s on central granulating stand

▲ The C-Series beside-the-press granulators are available in different configurations due to their modular design. Here model C13.20 with sprue picker hopper.



▲ The cutting chamber can be opened in seconds and is very easy to clean.



▲ Special solutions for various injection molding machines with integral picker are available.



Extremely simple operation

1 To open the granulator, take out the suction / sack filling box at the front.



2 Open the quick release catch. Supported on a heavy and massive hinge, the upper part of the cutting chamber including the in-feed hopper can be swung completely aside.



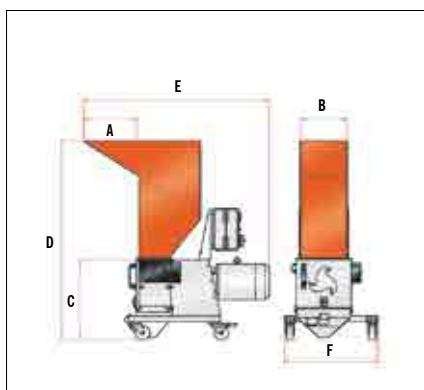
3 Allows free access to the cutting chamber. Rotor, knives and screen can be inspected freely; the screen can easily be removed. Undercuts and openings in which material could collect are reduced to a minimum, thus allowing the granulator to be fully cleaned in seconds.

Technical data

	C 13.20 s	C 17.26 s	C 17.31 s
Cutting chamber opening	130 x 200 mm ²	170 x 260 mm ²	170 x 310 mm ²
Rotor diameter	130 mm	170 mm	220 mm
Rotorknives	9	12	12
Statorknives	2	2	2
Motorpower	2.2 kW	3 kW / 4 kW	4 kW
Power supply		400 volts/ 50 Hz	
Screen size		3-8 mm, other sizes available	
Weight (Standard)	150 kg	180 kg	200 kg
Control	protective controller with overload release, 5 m connecting cable.		

Motors for other voltages are available upon request.

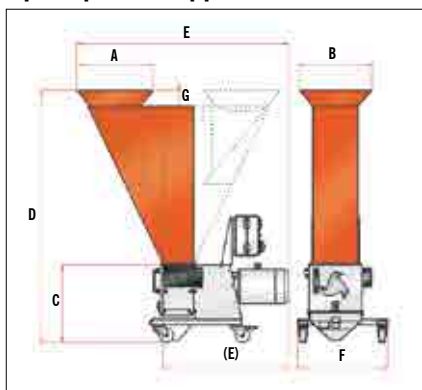
Standard



Dimensions

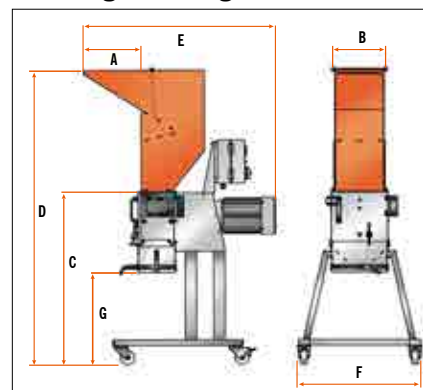
	13.20	17.26	17.31
A	225	290	290
B	200	250	310
C	400	440	480
D	890	1090	1170
E	750	1120	980
F	410	510	510
G	—	—	—

Sprue picker hopper



	13.20	17.26	17.31
A	420	435	435
B	380	410	445
C	400	440	480
D	1390	1430	1470
E (E)	1035 (660)	1210 (770)	1210 (770)
F	410	510	510
G	90	90	90

Central granulating stand



	13.20	17.26	17.31
A	225	290	290
B	200	250	310
C	890	910	950
D	1380	1559	1640
E	750	1120	980
F	550	650	650
G	495	485	485

(all measurements in mm – we reserve the right to make technical changes)

The Dynamic Series

dynamic

The robust universal granulators.

Whether for use as a small, high-performance and robust central granulator for technical plastics or a beside-the-press granulator for parts and large sprues, side cavities or tops and tails in blow moulding applications, the performance of Dynamic Series machines is sure to impress.

The granulators in the Dynamic range are available with two different types of drive:

A model with V-belt drive and solid flywheel for larger throughputs and especially solid objects.

A model with an amply dimensioned geared motor designed as compact machine when large throughputs are not required but space is at a premium and large sprues have to be processed. The robust design and massive drive train with considerable centrifugal mass and the high-performance gearing mechanism means even extremely thick-walled parts such as large housings made from impact-resistant plastics, or extruded thick-walled plate sections can be processed as easily as massive parison waste or the corresponding voluminous bottles.

The granulating chamber can be opened quickly and simply without tools and can be cleaned rapidly, facilitating quick changes in materials. The standard design also incorporates a granulating chamber equipped with hardened wear-protection components,

enabling highly abrasive plastics to be processed without a problem. The standard double-walled chute significantly reduces noise levels during the granulating process. With numerous additional options, the granulators can be configured to meet special requirements simply and easily.



D25.38 granulator, standard model, with V-belt drive and in the compact version with direct drive gear motor.



D25.38 Granulator with integrated sound insulation chamber.



D25.50 Granulator with roller infeed for processing sheet and trimmings.



D 25.25 Granulator on central granulating stand, in this case used for grinding extruded profile cuttings.



Cutting chamber easily accessible without tools.

D25.50 with vacuum extraction system.

The innovative conveyor systems allow regrind to be extracted in large, open containers such as crate pallets or octabins with little or no chance of dust escaping.



Page 3

Page 5

Page 7

Page 9

Page 11

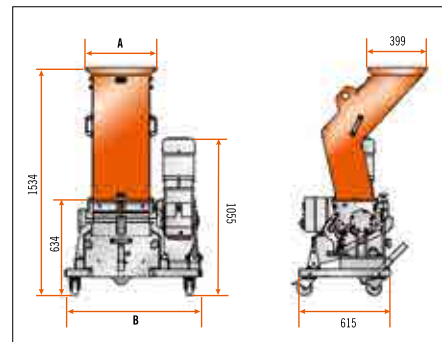
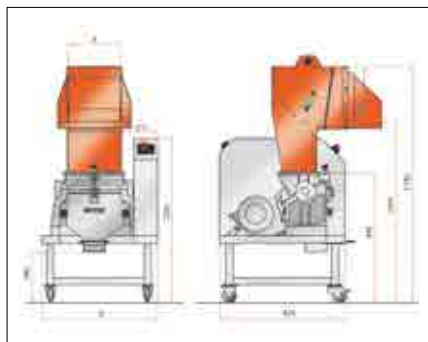
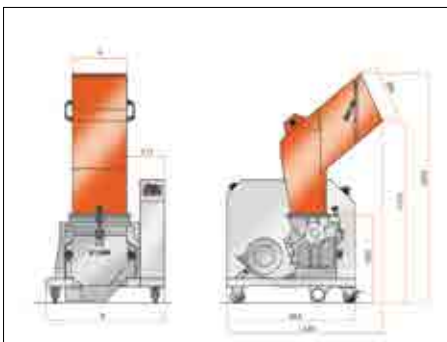
Technical data

	D25.25	D25.38	D25.38 Compact	D25.50
Cutting chamber opening	250 mm x 250 mm	250 mm x 385 mm	250 mm x 385 mm	250 mm x 505 mm
Rotor diameter	195 mm	195 mm	195 mm	195 mm
Rotor knives	12	18	18	24
Rotor speed	350/540	350/540	170	350/540
Stator knives	2	2	2	2
Motor power	4 / 5,5 / 7,5 kW	5,5 / 7,5 kW	4 kW	5,5 / 7,5 kW
Drive	V-belt	V-belt	Gear	V-belt
Power supply	400 volts / 50 Hz			
Screen size	mit 4, 5, 6, 8, 10, 12 mm, other sizes available			
Suction box volume.	12 l	17 l	17 l	22 l
Weight (Standard)	350 kg	410 kg	370 kg	470 kg
Control	protective controller with overload release, 5 m connecting cable.			

D-Standard

D-High stand

D-Compact



Dimensions	D25.25	D25.38	D25.38 Compact	D25.50
A	260	380	480	510
B	727	848	920	975

(all measurements in mm – we reserve the right to make technical changes)

The Energy Series



The central granulator for large parts.

The ideal machine for grinding large parts or for the central grinding of accumulated scrap parts and sprues.

The cutting chamber design and rotors with aggressive feeding properties ensure that lumps of sprue and bulky parts such as canisters, bottles, boxes and tanks can be collected and fed in equally and efficiently.

The granulators are fitted with an integrated sound insulation chamber as standard, ensuring effective noise reduction. The cutting chamber and accompanying drive train is uncoupled from the base frame of the granulator via oscillating mountings to effectively suppress impact noise.

The cutting chamber is easily opened with few handles and no need for tools, enabling quick cleaning. Maintenance, servicing and adjustments can be performed easily and quickly.

Numerous options enable the granulators to be easily adapted to user requirements, creating a complete granulating system that can be integrated inexpensively with peripherals such as dust removal, material infeed and conveyors. The E-Series granulators offer numerous practical options and a good price-performance ratio.

A conveyor blower can be integrated into the sound insulation chamber as an option.



Wanner E45.80 with integrated blower, cyclone separator and dedusting system. ▶



The cutting chamber, drive unit and blowers can be easily accessed via large doors. The cutting chamber can be easily opened without tools making the inside of the chamber easily accessible for cleaning purposes.



The cutting chamber and accompanying drive train is uncoupled from the base frame of the granulator via oscillating mountings to effectively suppress impact noise.

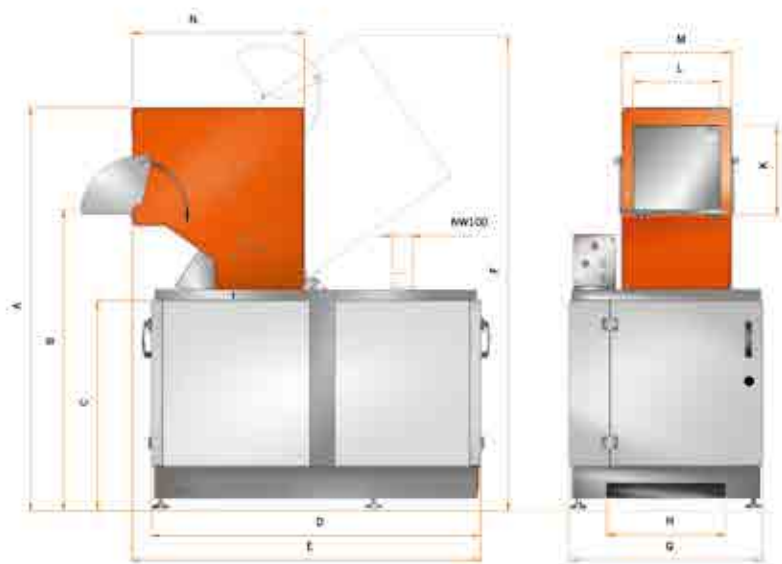


The large cutting chamber with V-shaped rotor is easily accessible.

Technical data

	E 30.50	E 35.40	E 35.60	E 45.50	E 45.80
Cutting chamber opening	300 x 500 mm	350 x 400 mm	350 x 600 mm	450 x 500 mm	450 x 800 mm
Rotor diameter	250 mm	300 mm	300 mm	400 mm	400 mm
Rotor knives	2 x 3	2 x 3 oder 2 x 5	2 x 3 oder 2 x 5	2 x 3 oder 2 x 5	2 x 3 oder 2 x 5
Statorknives	2 optional 3	2 optional 3	2 optional 3	2 optional 3	2 optional 3
Motor power		7,5 kW - 11 kW	11 kW - 18 kW	18 kW - 30 kW	
Power supply			3 x 400 volts, other voltages available upon request		
Rotordrehzahl	630 / min.	500 / min.	500 / min.	450 / min.	450 / min.
Screen size		5, 6, 8, 10, 12 und 15 mm, other sizes available			
Blower	BI 30	BI 30	BI 40	BI 40	BI 40
Weight	1000 kg	1300 kg	1450 kg	1850 kg	2200 kg

(we reserve the right to make technical changes)



Dimensions

	30.50	35.40	35.60	45.50	45.80
A	1.900	1.950	1.950	2.100	2.100
B	1.400	1.450	1.450	1.480	1.480
C	960	1.010	1.010	1.040	1.040
D	1.450	1.620	1.620	1.630	1.630
E	1.580	1.700	1.700	1.700	1.700
F	2.250	2.320	2.320	2.530	2.530
G	980	950	1.250	1.090	1.530
H	580	580	780	580	780
K	430	440	440	550	550
L	510	430	630	510	810
M	620	540	740	620	920
N	810	840	840	980	980

(we reserve the right to make technical changes)

The Thermo Granulator



The compact regranulator system.

The new ThermoGran20 allows you to transform problematic ground stock as well as small parts / sprues directly into high-quality granulate. The TG20 produces granulates which are comparable in quality and flow characteristics with corresponding new material. Granulate produced by the TG20 can be re-used or added to your production process with absolute con-

fidence. The TG20 plasticizes and granulates all types of polymers safely and reliably and is the right solution in all situations where granulate produced by purely mechanical crushing cannot be processed correctly. The system comprises a compact, slow running extruder with a large infeed area and special worm geometry with a large auxiliary worm, allowing granulate which does not flow well or powder as well as whole sprues and small parts to be fed in with ease. A water quench integrated in the system with downstream strand granulator allows the material strands to be cut precisely so that a highly homogeneous granulate is produced which flows well and can be easily dosed. The TG20 is equipped with a reliable control system

capable of handling sophisticated processing parameters for safe processing of difficult materials. The automated system uses sensors to adapt the speed of the extruder to the infeed behavior of the material and to match the extraction speed of the granulator with production conditions to ensure process stability even with varying material characteristics. The TG20 is also suited for compounding applications such as dyeing or for the production of micro granulates.



The TG20 can be used for a wide range of applications:

- ▶ direct processing of small sprues and parts
- ▶ compounding special formulations or colors
- ▶ reprocessing powder to high-quality granulate
- ▶ reprocessing critical granulate to high-quality granulate





The large infeed area with auxiliary worm allows even base materials with extremely poor flow characteristics through to pure powder or very coarse granulate or small sprues and parts to be processed.



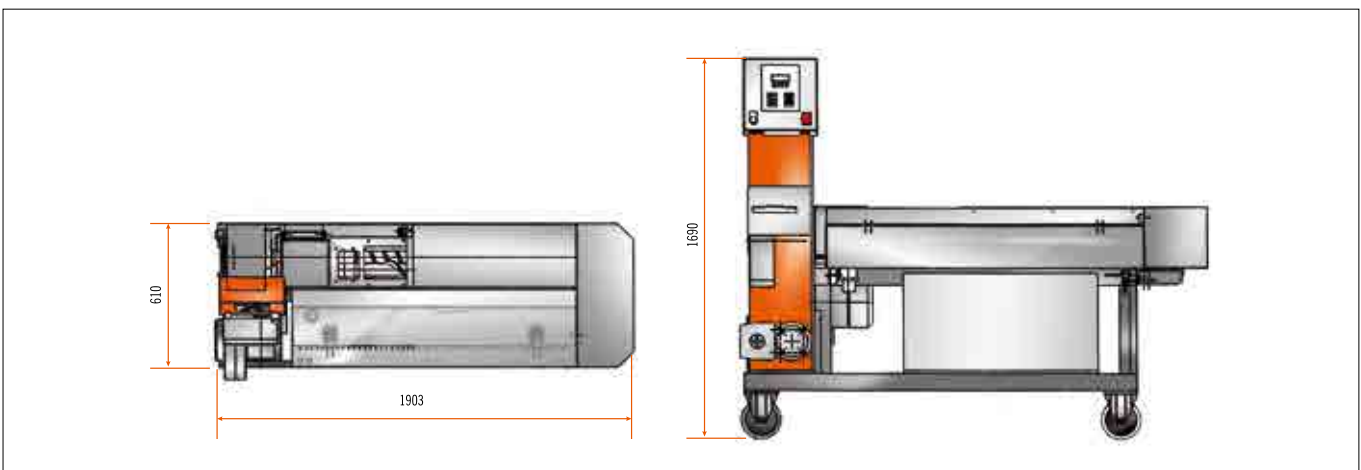
The driving speed and extraction speed of the granulator is adapted to the extrusion process to ensure homogeneous granulate, comparable to new material.

Technical data

	TG20/2	TG20/3
Motor power extruder	4 kW	4 kW
Motor power granulator	0,37 kW	0,37 kW
No. of heating zones	2 (barrel)	3 (barrel)
Heating power	3 kW	3 kW
Speed extruder	0 - 34 rpm	0 - 34 rpm
Output	Max. ca. 20 kg	
Infeed area	Auger + auxiliary auger	
Power supply	400 volts / 50 Hz	
Weight	ca. 600 kg	ca. 650 kg
Control	PLC	



Dimensions of TG 20/2



Cutter Systems

Ideal for extrusion

Our cutters have been developed for the pre-crushing of large trimmings which are too rigid to be fed in via rollers. The simple, large machines allow large trimmings to be cut into shorter sections before being fed directly into a granulator via a conveyor belt.

The cutter systems are made according to your specifications and, on request of course, with the corresponding granulator.



Profile of expertise

Every one of our plastic granulators and pelletizers is the result of our experience and expertise gained over many years dedicated to the plastics industry.

The experience is evident in the many advanced detailed solutions which will make daily work easier for you and your employees and thus will ensure high productivity.

The source of our expertise is our effort to see everything through the eyes of our customers and

to find innovative and simple solutions for special problems - from practical expertise to practical use. We have developed repeatedly proven solutions for your problems in the processing or disposal of sprues or defective parts.

Ask us your questions – our staff are at your service at any time for open advice without obligation.

How to find us:



Alte Heerstraße 5
D- 97877 Wertheim
Telefon +49 93 42 \ 3 08 80
Telefax +49 93 42 \ 3 08 83
info@wanner-technik.de
www.wanner-technik.de

Represented by