2019 CATALOG

turbo ARMEC

1970

ABOUT US

CONSORZIO ARMEC is based in Italy and specializes in the manufacturing of flow test benches and balancing machines, turbo equipment, turbochargers remanufacturing and sale of Original Turbochargers New and Reman and Spare Parts.

Since the its foundation, in 1970, ARMEC is made up by a team of highly skilled Craftsmen, who are specialized in precision mechanical remanufacturing.

In 1983 the first turbo was remanufactured by ARMEC, and after almost 50 years of practical experience the TURBO ARMEC test benches were developed and engineered to help Turbo Remanufacturers and Turbo Manufacturer to realize turbochargers with the same specifications of brand new original turbos.

As of the November of 2018 Consorzio Armec boasts over 50 SERVICE CENTERS in Europe all equipped with TURBO ARMEC TEST BENCHES.

CONSORZIO ARMEC 源于意大利，是专业生产和销售 涡轮增压器流量测试台、平衡机、增压器相关设备、全新原厂增压器、再制造增压器以及增压器零部件的厂家。

1970年建立以来，ARMEC组建了一支高水准的专业再制造团队。

1983 年ARMEC生产出来了第一台在制造增压器，在之后的50年的时间里，TURBO ARMEC在实际生产中不断积累经验，自主研发的各式测试台可以使再制造的涡轮增压器和后市场增压器达到原厂数据标准。

截止2018年11月 ，在欧洲有超过50个服务中心配备了TURBO ARMEC的测试台。

OUR SERVICES

Balancing Machines - Turbocharger balancing machines, for rotors and CHRA, for Turbo Manufacturers and Turbo Remanufacturers

Flowing Machines - Turbor Flowing machines, Static and Dynamic

Turbocharger Equipments - Testers and Programmers for Electronic Turbo Actuators, Tools for Turbo Remanufacturing

Turbochargers - Original Turbochargers, New and Remanufactured, with 3 Warranties

Support Services - Remote and in-house diagnosis for Turbocharger troubleshooting and prevention of future malfunction. Constant and Resolute after sale support. Free software and hardware updates for our machines.

TURBO ARMEC Experts and Technicians TEAM are at your service!

我们的服务

Balancing Machines - 动平衡测试台-用于转子总成和机芯的动平衡检测

Flowing Machines - 流量测试台-涡端 及 压端的空气流量检测

Turbocharger Equipments - 增压器生产设备-涡轮增压器电子执行器检测仪及标定仪，涡轮再制造工装及工具

Turbochargers - 涡轮增压器-原厂再制造增压器及全新原厂增压器，3年保质期。

Support Services - 支持服务-可在本厂内或远程对增压器故障进行诊断并预防未来可能发生的故障，不断坚定的售后支持，对我们的设备进行免费的软件和硬件的更新。

TURBO ARMEC 的专业技师团队愿意为您效劳

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支撑座工装（TURBO ARMEC 专利产品）

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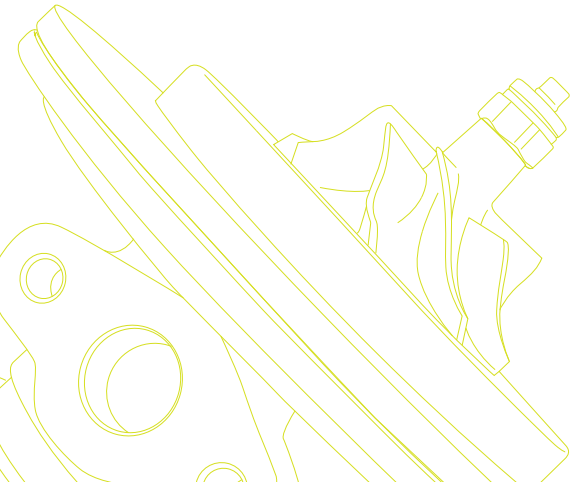
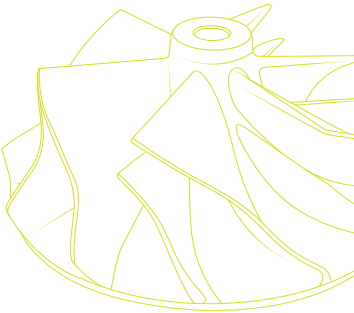
TOOLS

工具





turbo ARMEC

1970

C1K

Centesimal Dial Gauge Kit
百分表组件

Base Plate, Magnetic Support and Case Included
包含 底板、磁性支架 、手提箱

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K8C

VNT Key Set for KKK Turbo Variable Nozzle Ring
KKK喷嘴环拆装工具

T Key and Case Included
包含 T型扳手和手提箱

SB K3

TURBO ARMEC HOLDER,
A Adapter, T Adapter
TURBO ARMEC 支撑座
A型支架，T型支架

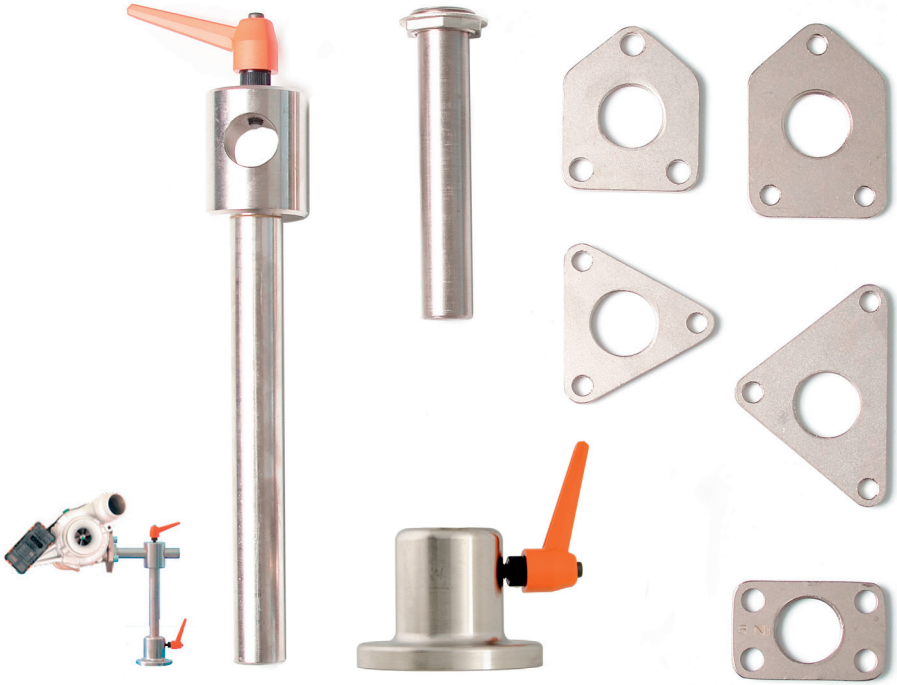
SB K8

TURBO ARMEC HOLDER, 5 Flanges,
A Adapter, T Adapter
TURBO ARMEC 支撑座，5个法兰
A型支架，T型支架

T ADAPTER
T型支架

A ADAPTER
A型支架

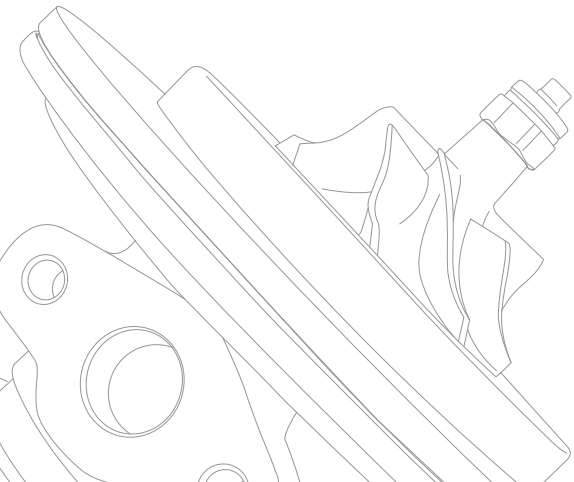
FLANGES
个法兰

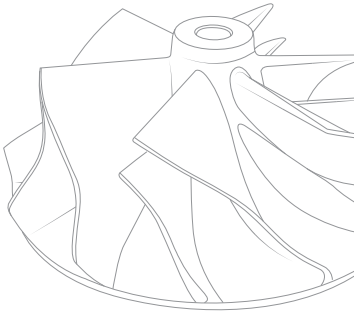


TURBO ARMEC HOLDER
TURBO ARMEC 支撑座

Patented TURBO ARMEC HOLDER, Case Included
包含TURBO ARMEC 专利支撑座和手提箱

TESTERS
检测仪





turbo ARMEC

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VM4

Manual Tester for Turbo Pneumatic Actuators
增压器放气阀手动测量仪

Vacuometer (-1 / 0 bar), Manometer (0 / 2.5 bar) and Case Included
包含 真空计（-1 ~ 0 bar），压力表（0 ~ 2.5 bar）和手提箱

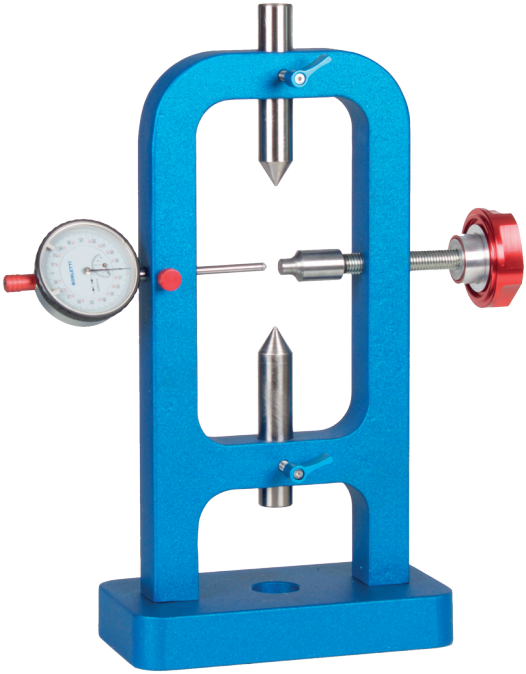
VM6

Automatic Tester for Turbo Pneumatic Actuators
全自动增压器放气阀检测仪

Air Hoses and Case Included
包含 空气软管 和 手提箱

RS1

Tester for millesimal Straightening of Turbo Shafts up to 180 mm
轴杆矫正仪 精度 0.001MM 适用于180MM以下的涡轮轴



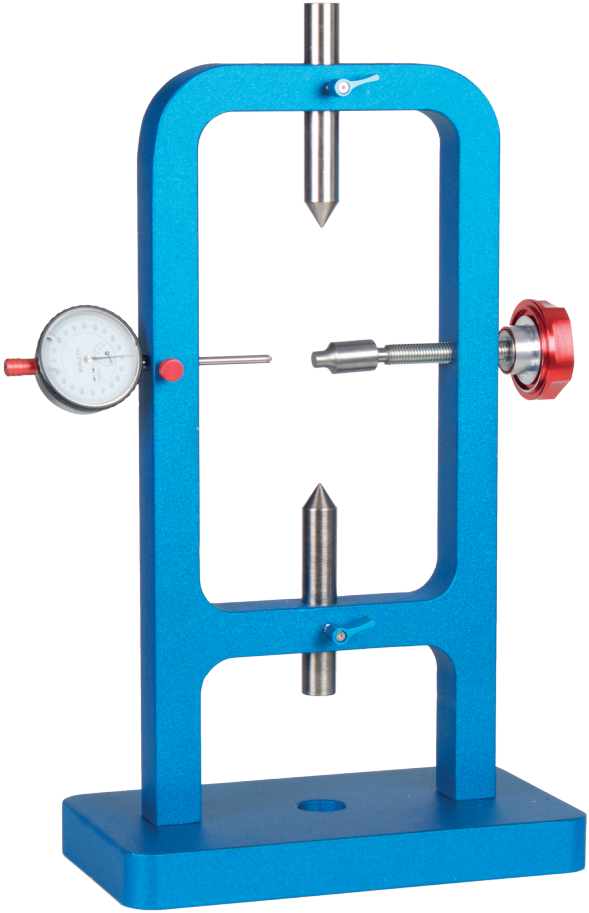
Turbo Shafts up to 180 mm

Millesimal Analogic Dial Gauge Included
包含千分表

RS2

Tester for millesimal Straightening of Turbo Shafts up to 270 mm
轴杆矫正仪 精度 0.001MM 适用于270MM以下的涡轮轴

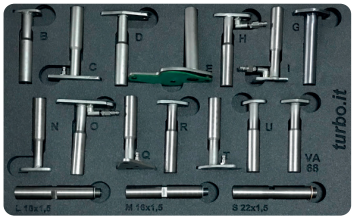
Turbo Shafts up to 270 mm

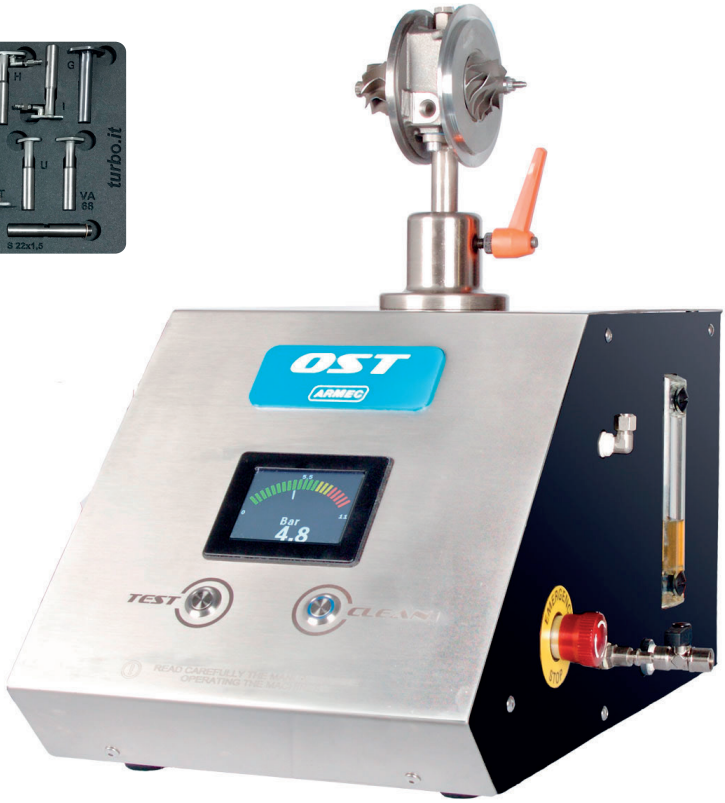


Millesimal Analogic Dial Gauge Included
包含千分表

OST

Oil Seal Tester
机芯漏油测试仪

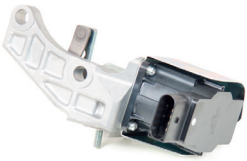


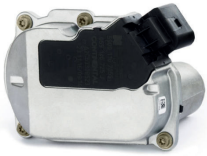


17 Oil Out Adapters and 10 Quick Couplings Fittings Included
包含17支回油支架，10支进油快速链接配件

ET

Electronic Tester for Turbo Electronic Actuators
电子执行器测试仪





Free Software Updates, 19 Cables and Case Included
包含 免费程序更新，19条数据线，手提箱

EP

Electronic Programmer for Turbo Electronic Actuators
电子执行器标定仪

Free Software Updates, 2 Cables and Case Included
包含 免费程序更新，2条数据线，手提箱

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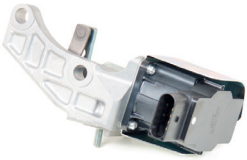
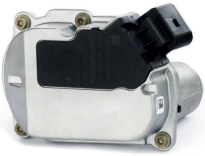
ETP

Electronic Tester and Programmer for Turbo Electronic Actuators
电子执行器 测试&标定一体机





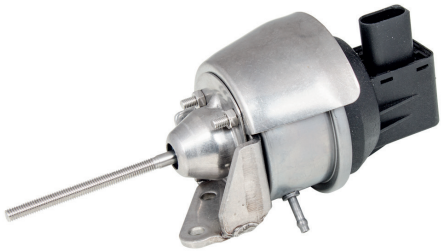
19 Cables and Case Included
包含 19条数据线和手提箱

FOCUS ON: TURBO ACTUATORS

Pneumatic Actuators
气动阀/放气阀

VM4 (pag. 8)
VM6 (pag. 9)

Electro-Pneumatic Actuators
电子-气动 执行器



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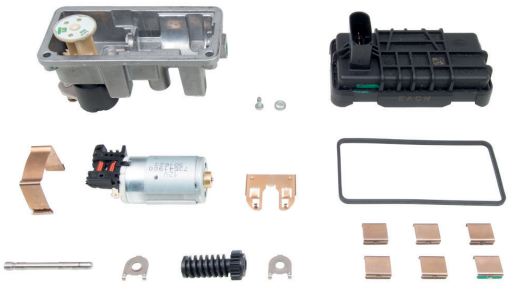
ET Tester (pag. 13)
ETP Tester and Programmer (pag. 15)

Turbo Electronic Actuators
增压器电子执行器



ET Electronic Tester (pag. 13)
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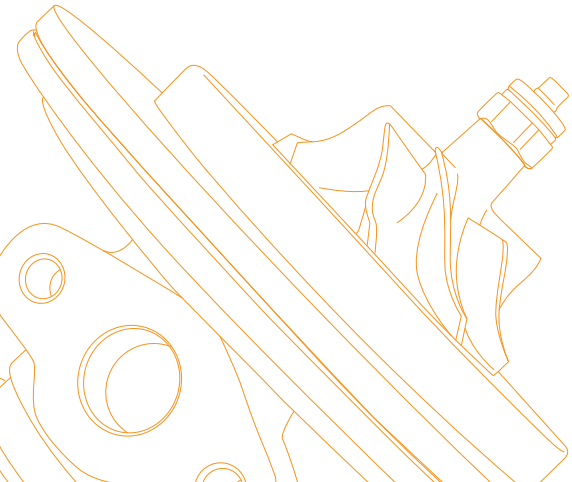
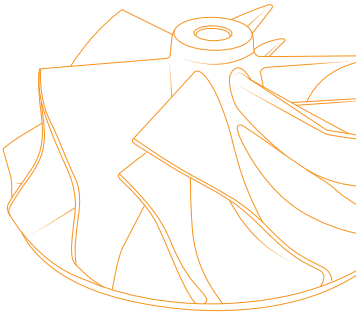
EQUIPMENT

设备





turbo ARMEC

1970

B1L

Workbench
工作台

2 Patented TURBO ARMEC HOLDER SB K3,
10 Drawers and 125mm forged steel Vise Included
包含 2个SB K3 TURBO ARMEC 专利支撑座,
10个抽屉 和 125MM的锻造虎钳

S1

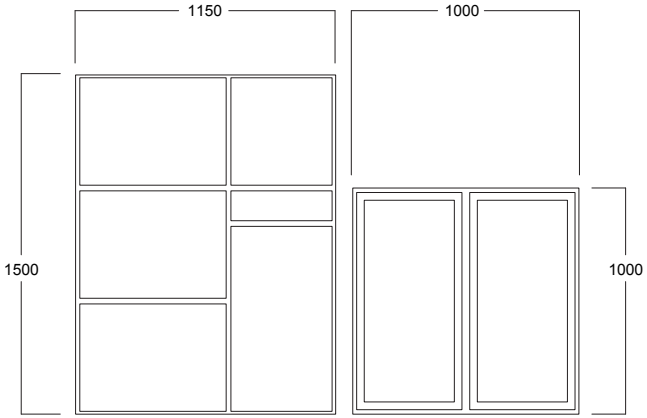
Automatic SandBlaster
全自动喷砂机

Automatic SandBlaster with Filtering and suction system of processing residues
全自动喷砂机
具有过滤吸渣系统

S1 - AUTOMATIC SANDBLASTER

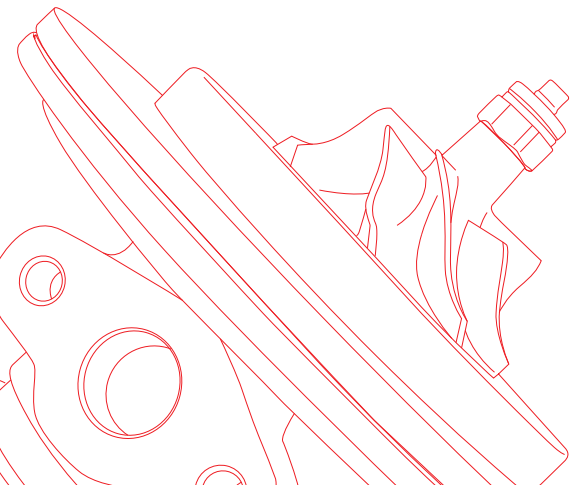
MODEL NAME	S1
CORPO CENTRALE	
Dimension W x D x H	1500 x 1150 x 700 mm
Mass	500 Kg
Power	380 V - 3 Fasi 50 Hz
Engine	AC 2.2 kW - 2850 rpm
Gearmotor	AC 120 W - 30 rpm
Other	Luce - 10 W
Steel balls (0.6 mm)	25 Kg
Steel balls (0.2 mm)	25 Kg
UNITA' FILTRO	
Dimension W x D x H	1000 x 1000 x 600 mm
Vacuum cleaner	AC 220 V - 50 Hz - 1 kW
Mass	120 Kg

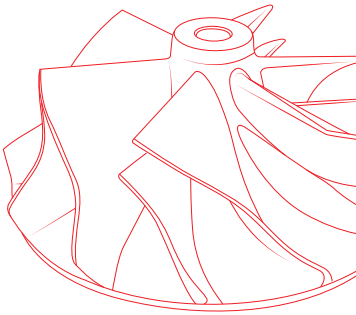
NOME MODELLO	S1
CORPO CENTRALE	
Dimensioni L x P x H	1500 x 1150 x 700 mm
Peso	500 Kg
Potenza	380 V - 3 Fasi 50 Hz
Motore	AC 2.2 kW - 2850 rpm
Motoriduttore	AC 120 W - 30 rpm
Altro	Luce - 10 W
Pallini d'acciaio (0.6 mm)	25 Kg
Pallini d'acciaio (0.2 mm)	25 Kg
UNITA' FILTRO	
Dimensioni L x P x H	1000 x 1000 x 600 mm
Aspirapolvere	AC 220 V - 50 Hz - 1 kW
Peso	120 Kg



TEST BENCHES

测试台





turbo ARMEC

1970

FLOW S

Turbo Static Flow Bench
增压器静态流量测试台

FLOW CALIBRATION "ON THE FLY"
QUICK MAGNETIC COUPLINGS
MAXIMUM NOISE REDUCTION

Over 500 turbo codes and free software updates
Adapters, Flanges and TURBO ARMEC HOLDER Included
包含 500多款增压器数据，免费软件更新，支架，工装
法兰和TURBO ARMEC 专利支撑座。

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FLOW D

Turbo Dynamic Flow Bench
增压器动态流量测试台

FLOW CALIBRATION "ON THE FLY"
LIVE ROTOR SPEED
QUICK MAGNETIC COUPLINGS
MAXIMUM NOISE REDUCTION

Over 500 turbo codes and free software updates
Adapters, Flanges and TURBO ARMEC HOLDER Included
包含 500多款增压器数据，免费软件更新，支架，工装
法兰和TURBO ARMEC 专利支撑座。

FLOW S
STATIC FLOW BENCH

MODEL NAME	B1 FS
ELECTRICAL	
Rated Voltage	230 V ± 10 %
Rated Current	4,5 A
Phase	1 Phase + N + PE 50 / 60 Hz
Maximum Power	1400 W
PHYSICAL	
Dimension W x D x H	1825 x 750 x 1560 mm
Mass	305 Kg
Drive	by compressed air 8-10 bar / Connection 1''
Work Ambient Temperature Limits Deg °C (min/max)	5 / 45 °C
Noise Level dB	less than 69 dB

Colors: Blue RAL 5015, Yellow RAL 1005, Grey RAL 7042

FLOW D
DYNAMIC FLOW BENCH

MODEL NAME	B1 FD
ELECTRICAL	
Rated Voltage	230 V ± 10 %
Rated Current	4,5 A
Phase	1 Phase + N + PE 50 / 60 Hz
Maximum Power	1400 W
PHYSICAL	
Dimension W x D x H	1825 x 750 x 1560 mm
Pump Motor Max Power	0,382 kW
Mass	305 Kg
Drive	by compressed air 8-10 bar / Connection 1''
Work Ambient Temperature Limits Deg °C (min/max)	5 / 45 °C
Noise Level dB	less than 69 dB

Colors: Blue RAL 5015, Yellow RAL 1005, Grey RAL 7042

型号	B1 FS
电气参数	
额定电压	230 V ± 10 %
额定电流	4,5 A
相位	1 Fase + N + PE 50 / 60 Hz
最大功率	1400 W
物理参数	
尺寸 长X宽X高	1825 x 750 x 1560 mm
重量	305 Kg
驱动 空气压缩机	8-10 bar / 1英尺
工作环境温度限制 摄氏度 (最小/最大)	5 / 45 °C
噪声级 分贝	低于69分贝

颜色: 蓝 RAL 5015, 黄 RAL 1005, 灰 RAL 7042

型号	B1 FD
电气参数	
额定电压	230 V ± 10 %
额定电流	4,5 A
相位	1 Fase + N + PE 50 / 60 Hz
最大功率	1400 W
物理参数	
尺寸 长X宽X高	1825 x 750 x 1560 mm
泵马达 最大功率	0,382 kW
重量	305 Kg
驱动 空气压缩机	8-10 bar / 1英尺
工作环境温度限制 摄氏度 (最小/最大)	5 / 45 °C
噪声级 分贝	低于69分贝

颜色: 蓝 RAL 5015, 黄 RAL 1005, 灰 RAL 7042

STAGE 2

FLOW CALIBRATION "ON THE FLY"
QUICK MAGNETIC COUPLINGS
DUAL STAGE TURBO FLOW CALIBRATION
CONTROL UP TO 4 ACTUATORS SIMULTANEOUSLY

Dual Stage Turbo Flow Bench
双涡轮增压器流量测试台

Over 500 turbo codes and free software updates
Adapters, Flanges and TURBO ARMEC HOLDER Included
包含 500多款增压器数据，免费软件更新，支架，
工装，法兰和TURBO ARMEC 专利支撑座。

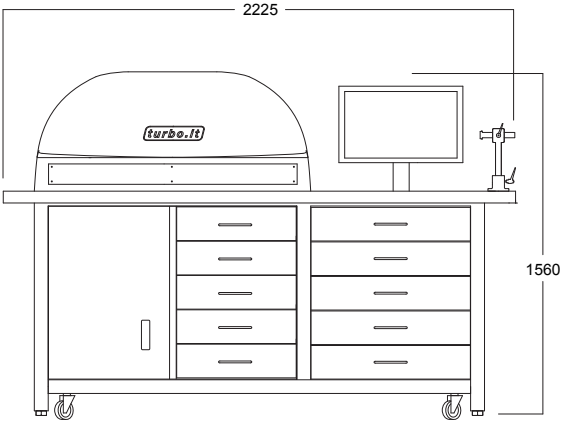
Stage2 DYNAMIC FLOW BENCH

MODEL NAME	STAGE 2
ELECTRICAL	
Rated Voltage	230 V ± 10 %
Rated Current	4,5 A
Phase	1 Phase + N + PE 50 / 60 Hz
Maximum Power	1400 W
PHYSICAL	
Dimension W x D x H	2225 x 750 x 1560 mm
Pump Motor Max Power	0,382 kW
Mass	475 Kg
Drive	by compressed air 8-10 bar / Connection 1''
Work Ambient Temperature Limits Deg °C (min/max)	5 / 45 °C
Noise Level dB	less than 69 dB

Colors: Blue RAL 5015, Yellow RAL 1005, Grey RAL 7042

型号	STAGE 2
电气参数	
额定电压	230 V ± 10 %
额定电流	4,5 A
相位	1 Fase + N + PE 50 / 60 Hz
最大功率	1400 W
物理参数	
尺寸 长X宽X高	2225 x 750 x 1560 mm
泵马达 最大功率	0,382 kW
重量	475 Kg
驱动 空气压缩机	8-10 bar / 1英尺
工作环境温度限制 摄氏度 (最小/最大)	5 / 45 °C
噪声级 分贝	低于69分贝

颜色: 蓝 RAL 5015, 黄 RAL 1005, 灰 RAL 7042



DUO FLOW

CHRA PRECISION BALANCING
FLOW CALIBRATION "ON THE FLY"
LIVE ROTOR SPEED
QUICK MAGNETIC COUPLINGS
MAXIMUM NOISE REDUCTION

Turbo and Core Assy Balancing Machine
and Dynamic Flow Bench
整机、机芯动平衡检测及动态流量测试台

Over 500 turbo codes and free software updates
Adapters, Flanges and TURBO ARMEC HOLDER Included
包含 500多款增压器数据，免费软件更新，支架，
工装，法兰和TURBO ARMEC 专利支撑座。

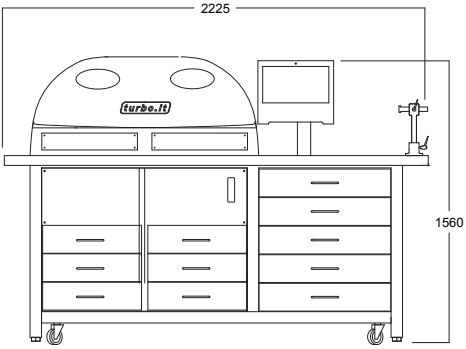
DUO FLOW
DYNAMIC MACHINE

MODEL NAME	B1 TC FD
ELECTRICAL	
Rated Voltage	230 V ± 10 %
Rated Current	5,5 A
Phase	1 Phase + N + PE 50 / 60 Hz
Maximum Power	1700 W
PHYSICAL	
Dimension W x D x H	2225 x 750 x 1560 mm
Pump Motor Max Power	0,382 kW
Mass	425 Kg
Drive	by compressed air 8-10 bar / Connection 1''
Work Ambient Temperature Limits Deg °C (min/max)	5 / 45 °C
Noise Level dB	less than 69 dB
Maximum Core Assy Weight	18 Kg
Turbine wheel Maximum Diameter	150 mm
Compressor wheel Maximum Diameter	159 mm
Smallest achievable residual unbalnce	0,03 gmm

Colors: Blue RAL 5015, Yellow RAL 1005, Grey RAL 7042

型号	B1 TC FD
电气参数	
额定电压	230 V ± 10 %
额定电流	5,5 A
相位	1 Fase + N + PE 50 / 60 Hz
最大功率	1700 W
物理参数	
尺寸 长X宽X高	2225 x 750 x 1560 mm
泵马达 最大功率	0,382 kW
重量	425 Kg
驱动 空气压缩机	8-10 bar / 1英尺
工作环境温度限制 摄氏度 (最小/最大)	5 / 45 °C
噪声级 分贝	低于69分贝
最大机芯重量	18 Kg
最大涡轮直径	150 mm
最大叶轮直径	159 mm
最小残余不平衡量	0,03 gmm

颜色: 蓝 RAL 5015, 黄 RAL 1005, 灰 RAL 7042



TRIO FLOW

ROTOR AND CHRAPRECISION BALANCING
FLOW CALIBRATION "ON THE FLY"
LIVE ROTOR SPEED
QUICK MAGNETIC COUPLINGS
MAXIMUM NOISE REDUCTION

Rotor, Turbo and Core Assy
Balancing Machine and
Dynamic Flow Bench
转子总成,
整机及机芯动平衡检测及动态流量测试台

Over 500 turbo codes and free software updates
Adapters, Flanges and TURBO ARMEC HOLDER Included
包含 500多款增压器数据，免费软件更新，支架，工装
法兰和TURBO ARMEC 专利支撑座。

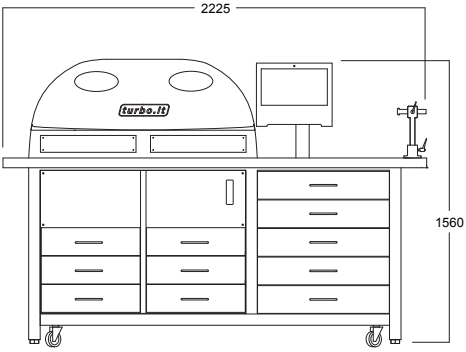
TRIO FLOW
DYNAMIC MACHINE

MODEL NAME	B1 RTC FD
ELECTRICAL	
Rated Voltage	230 V ± 10 %
Rated Current	5,5 A
Phase	1 Phase + N + PE 50 / 60 Hz
Maximum Power	1700 W
PHYSICAL	
Dimension W x D x H	2225 x 750 x 1560 mm
Pump Motor Max Power	0,382 kW
Mass	475 Kg
Drive	by compressed air 8-10 bar / Connection 1''
Ambient Temperature Limits Deg °C (min/max)	5 / 45 °C
Noise Level dB	less than 69 dB
Maximum Core Assy Weight	18 Kg
Turbine wheel Maximum Diameter	150 mm
Compressor wheel Maximum Diameter	159 mm
Smallest achievable residual unbalnce	0,03 gmm

Colors: Blue RAL 5015, Yellow RAL 1005, Grey RAL 7042

型号	B1 RTC FD
电气参数	
额定电压	230 V ± 10 %
额定电流	5,5 A
相位	1 Fase + N + PE 50 / 60 Hz
最大功率	1700 W
物理参数	
尺寸 长X宽X高	2225 x 750 x 1560 mm
泵马达 最大功率	0,382 kW
重量	475 Kg
驱动 空气压缩机	8-10 bar / 1英尺
工作环境温度限制 摄氏度 (最小/最大)	5 / 45 °C
噪声级 分贝	低于69分贝
最大机芯重量	18 Kg
最大涡轮直径	150 mm
最大叶轮直径	159 mm
最小残余不平衡量	0,03 gmm

颜色: 蓝 RAL 5015, 黄 RAL 1005, 灰 RAL 7042



B1 R

Turbo Rotor Balancing Machine
转子总成动平衡测试台

Precision Balancing for
Turbine Shaft, Compressor Wheel and Rotor
高精度动平衡
涡轮，叶轮，转子总成

B1 TC

Turbo and Core Assy Balancing Machine
整机及机芯动平衡测试台

With Oil Seal Test
Adapters, Flanges and TURBO ARMEC HOLDER Included
包含 漏油检测、支架工装、
法兰及TURBO ARMEC专利支撑座

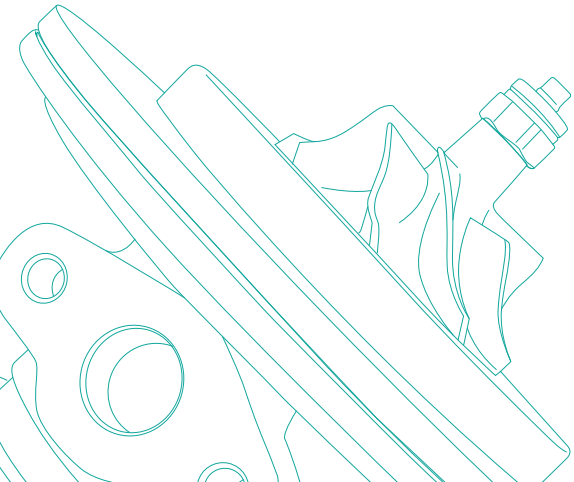
DUO B

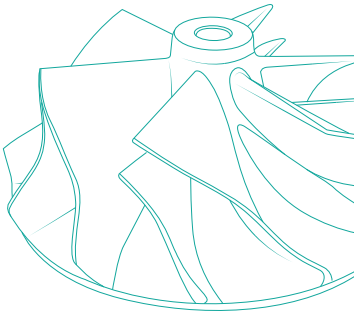
Rotor, Turbo and Core Assy Balancing Machine
转子总成，整机及机芯动平衡机

With Oil Seal Test
Adapters, Flanges and TURBO ARMEC HOLDER Included
包含 漏油检测、支架工装、
法兰及TURBO ARMEC专利支撑座

PRODUCTS

产品

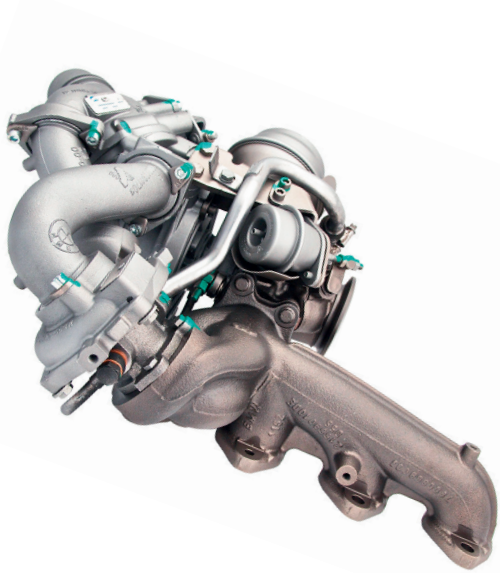


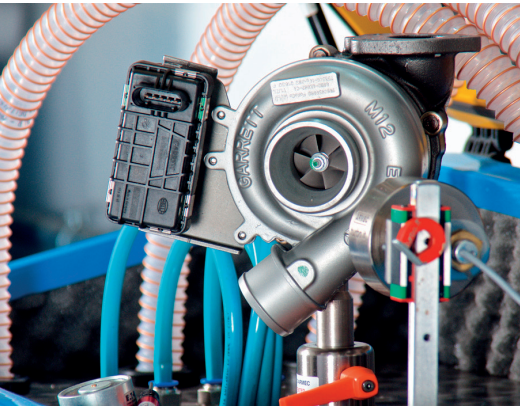


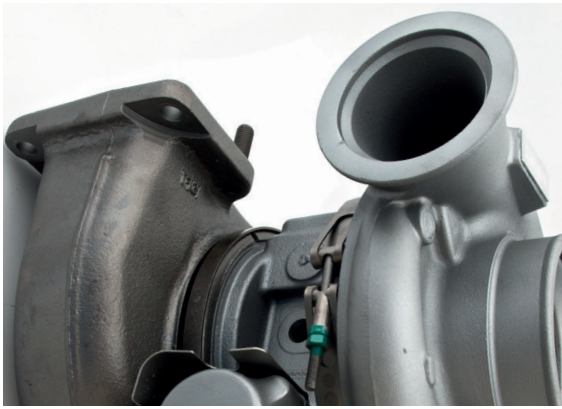
turbo ARMEC

1970

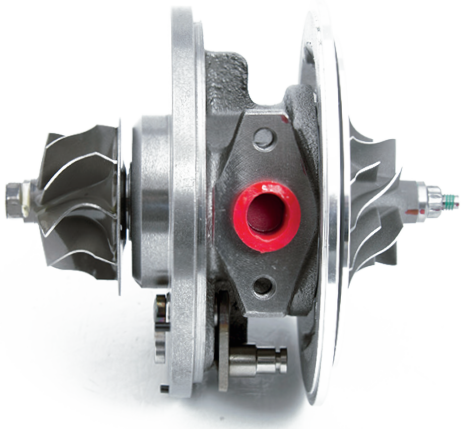
TURBO 整机



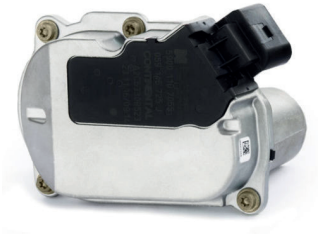


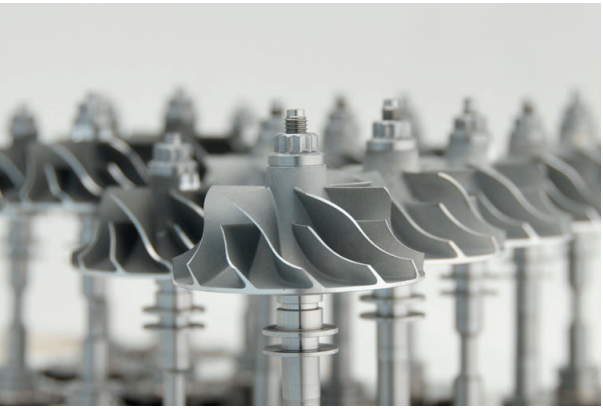


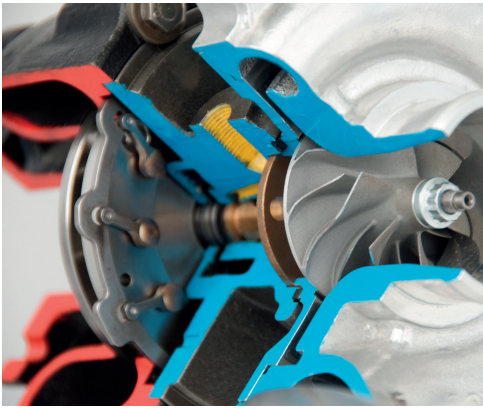
CORE ASSY 机芯



SPARE PARTS 其他配件







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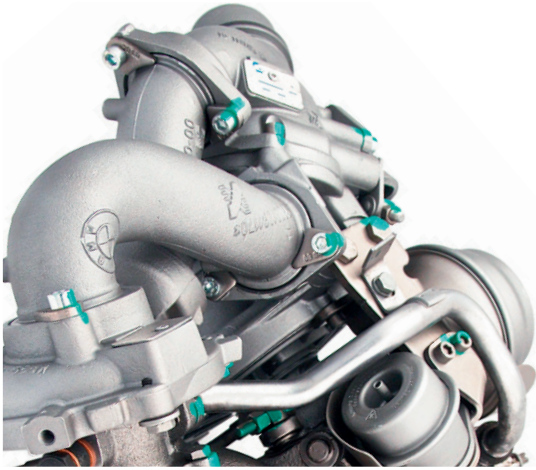
AUTOMATIC MODE
PATENTED TURBO HOLDER

turbo.it



TRAINING COURSES - 培训课程

How to Reman the Turbo and Replace the heart of the Turbo or Core Assy

Location: ARMEC HEADQUARTER
Language: ENGLISH

Turbo Electronic Actuator

Location: ARMEC HEADQUARTER
Language: ENGLISH

During the TURBO ARMEC courses, we explain the Right Technique to Replace the Turbo and to Reman Turbochargers in a Correct, Safe and Professional way, Using TURBO ARMEC Equipment and Test Benches.

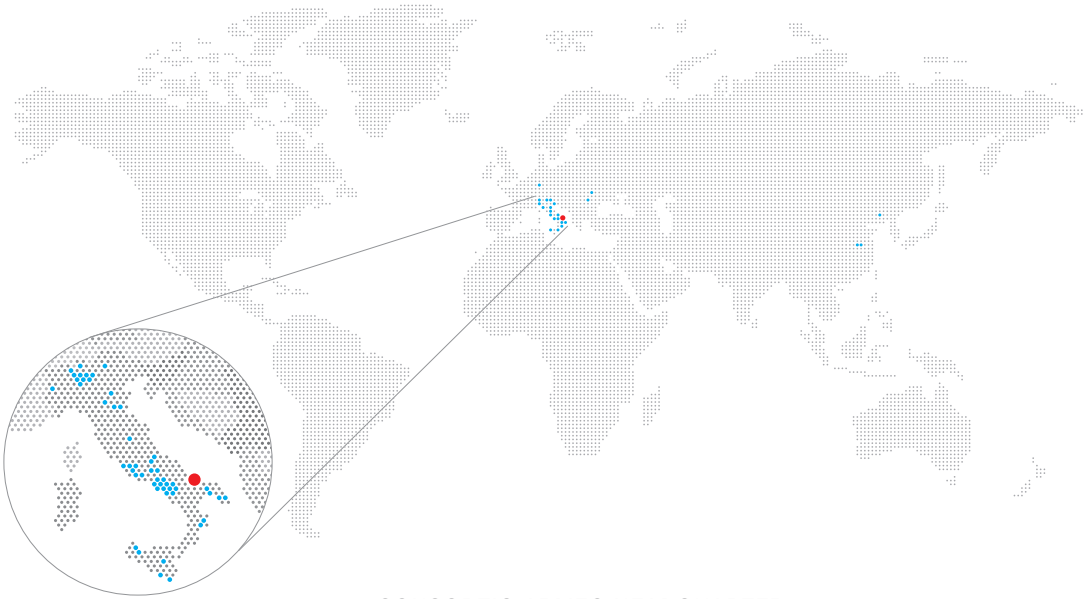
在TURBO ARMEC的课程中，通过使用TURBO ARMEC的设备和测试台，教大家如何以正确、安全、专业的方法更换和翻新涡轮增压器。

NOTES

NOTES

OVER 50 WORKSHOPS WORLDWIDE USING OUR EQUIPMENT

在世界各国，有50多个工作室和生产线在使用我们的设备



CONSORZIO ARMEC HEADQUARTER
GPS 41° 8' 35" NORTH - 16° 29' 9" EAST

turbo ARMEC 1970

CONSORZIO ARMEC Via Ruvo, km 1,9 70033 Corato - ITALY
Tel +39 080 872 44 17 Web turbo.it Mail support@turbo.it