A technical line drawing of a turbocharger, showing the compressor and turbine wheels connected by a central shaft. The drawing is rendered in light gray lines against a dark gray background.

# **CEMB**

BALANCING MACHINES

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TURBOCHARGERS

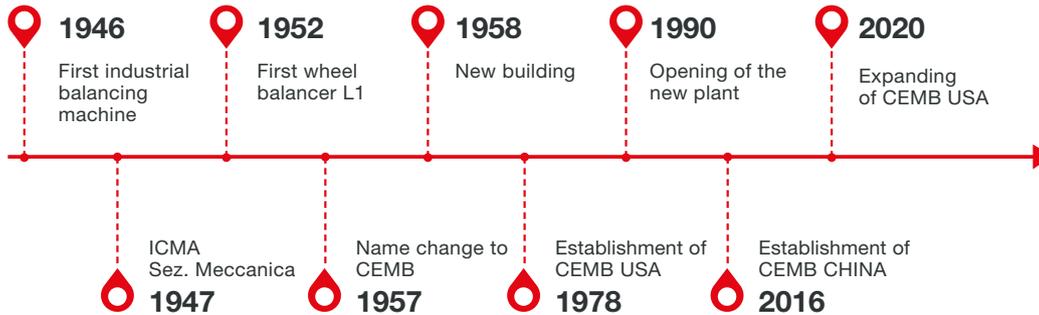
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## **CEMB'S ROOTS**

CEMB's roots lie back in 1946, when the company's founder Luigi Buzzi designed the first industrial balancing machine with a revolutionary solution, covered by patent. In 1952 CEMB started the production of balancing machines for vehicle's wheels and two years later, he developed the production of balancing machines based on wattmeter electrodynamic system, which is still considered as one of the most reliable. In 1960 he encouraged the constitution of an R&D department in the rapidly growing field of electronics: the immediate result was the application of new technologies to traditional systems as well as to monitoring and supervisory instrumentation for large scale power plants.

## **A FAMILY COMMITMENT**

Over time, the organizational and management activities multiplied but Luigi Buzzi did not renounce his main passion: the commitment in first person in the project and in the development of new solutions. Today Carlo Buzzi still follows directly the development of new products and the study of new technologies.



## HEADQUARTERS

CEMB's headquarters are located in Mandello del Lario, on the east shore of lake Como. The historical building has undergone subsequent expansion and modernization to keep in step with the company's growth. This building houses the management offices as well as the technical, commercial and administrative departments; the show rooms and meeting and training rooms; departments for the production of industrial balancing machines, instruments for vibration technology as well as monitoring/supervisory systems.

The most recent CEMB factory is located very close to the main headquarters. The factory houses the departments dedicated to the production of wheel balancing machines and alignment units, as well as dedicated technical and commercial offices.

## **CEMB IN THE WORLD**

CEMB has built a strong sales network spanning across more than 80 countries worldwide. The company's innovative and high-quality products have gained a strong reputation in the market, allowing CEMB to establish a strong presence in multiple countries. With a commitment to providing exceptional customer service and support, CEMB has been able to build long-lasting relationships with its distributors, some of which are lasting for decades.

A widespread service network is present in more than 85 countries worldwide. The training are held by professional staff at CEMB factory or at customers premises, on all aspects of vibration, balancing and maintenance operations. Services of vibration analysis, diagnosis and balancing of machinery installed in customer plants are also supplied: data acquisition, historical detection files, detailed report issues.

## **BALANCING FOR TURBOCHARGERS**

With over 15 years of experience in the turbocharger market, CEMB is the leader in high-performance balancing machines. Our dedicated team delivers customized solutions and software tailored to each client's needs.

Long-term partnerships with major turbocharger manufacturers worldwide reflect our commitment to reliability, cost-efficiency, and innovation, making our machines the first choice for top engineering teams.

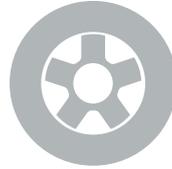


**INDUSTRIAL**  
BALANCING  
DIVISION

Universal  
balancing machines

Automatic  
balancing machines

Customized  
balancing machines



**GARAGE**  
EQUIPMENT  
DIVISION

Car and trucks  
wheel balancing  
machines

Car and trucks  
tyre changers

Car and trucks  
wheel alignments



**VIBRATION**  
EQUIPMENT  
DIVISION

Portable  
vibrometers  
analyzers and  
balancers

Fixed  
monitoring  
systems

# TURBO CUSTOMERS

More than 500 machines in production & 2000 toolset produced

BORGWARNER



Great Wall

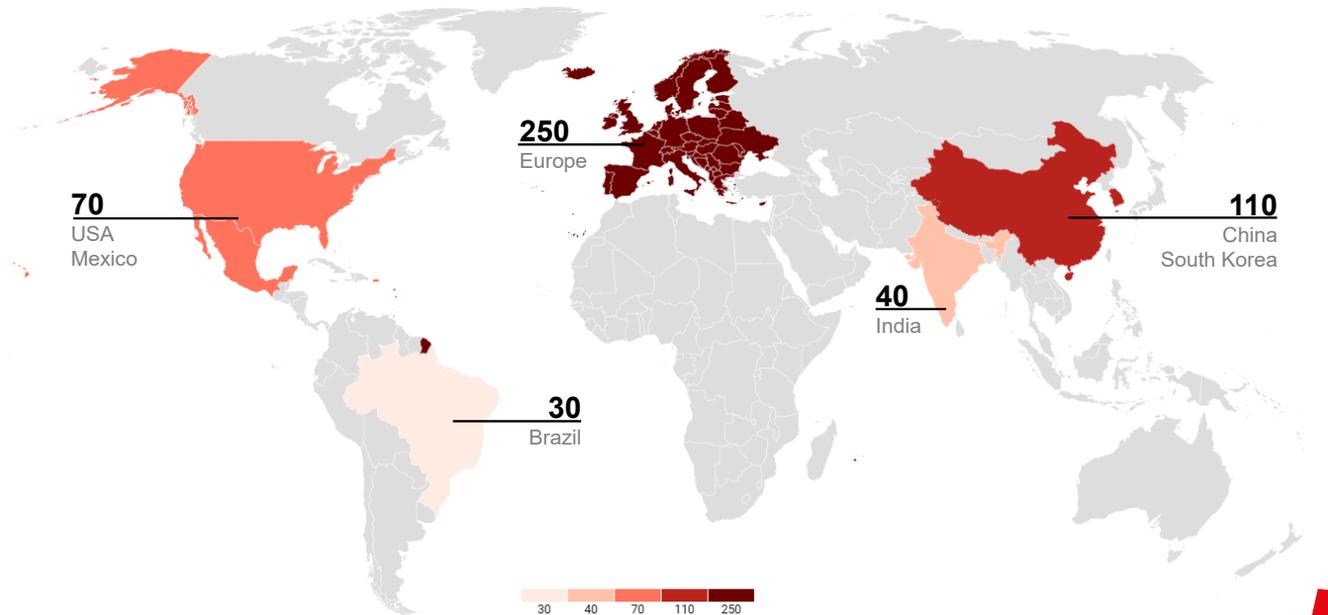
BEST



Easyland



# CEMB TURBOCHARGERS SOLD WORLDWIDE



# MACHINES

## CORES ASSEMBLY - HIGH SPEED

SERIES PRODUCTION

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PROTOTYPING - LOW VOLUME PRODUCTION

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3-PLANES BALACING MACHINES

---

e-COMPRESSOR

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## COMPONENTS - LOW SPEED

TURBINE WHEEL SHAFT

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Automatic  
Semi-automatic

COMPRESSOR WHEEL

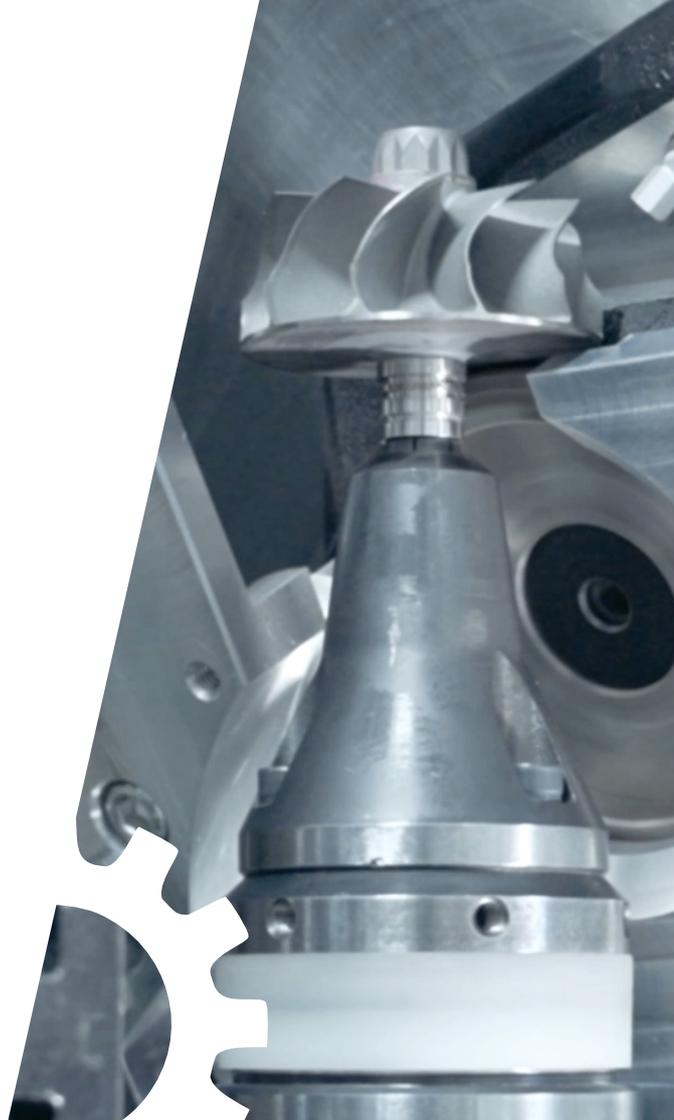
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Automatic  
Semi-automatic

MASS CENTERING

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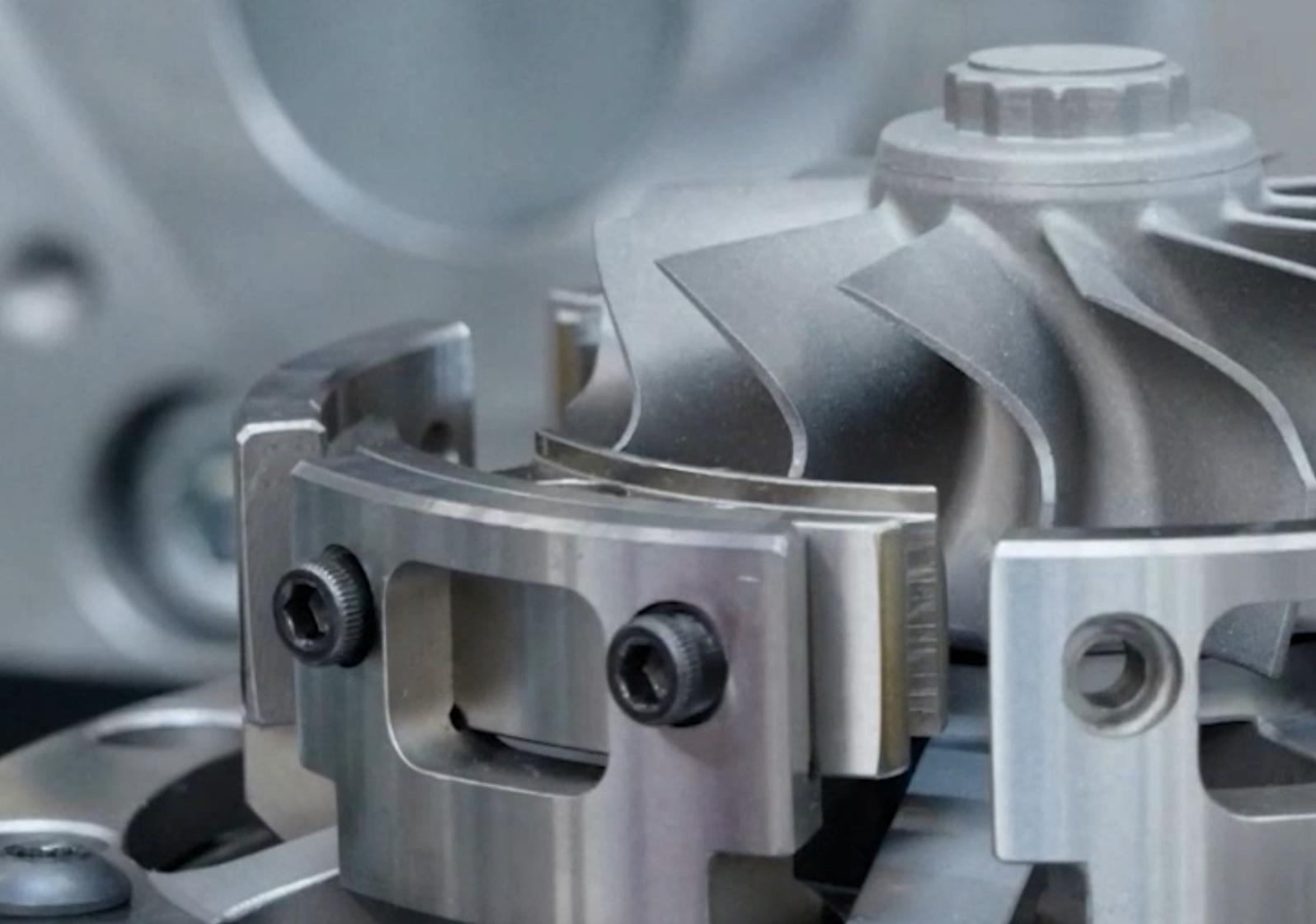
Automatic  
Drilling Station  
Audit station



# PRODUCT RANGE

	PASS CARS	COMMERCIAL VEHICLES	LARGE COMMERCIAL VEHICLES
<b>TURBINE WHEEL</b>	from Ø 30 mm to Ø 65 mm	from Ø 60 mm to Ø 120 mm	from Ø 100 mm to Ø 150 mm
<b>COMPRESSOR WHEEL</b>	from Ø 32,5 mm to Ø 65 mm	from Ø 60 mm to Ø 132 mm	from Ø 100 mm to Ø 170 mm
<b>CORE WEIGHT</b>	up to 3 Kg	up to 17 Kg	up to 50 Kg





A close-up photograph of a turbocharger's internal or external components, showing various metal parts, a bearing housing, and a compressor wheel. The image is dark and moody, with a prominent red gear graphic on the right side. The text is overlaid on the center of the image.

**TURBOCHARGERS**  
**BALANCING SOLUTIONS**

# CORE ASSEMBLY

## CV

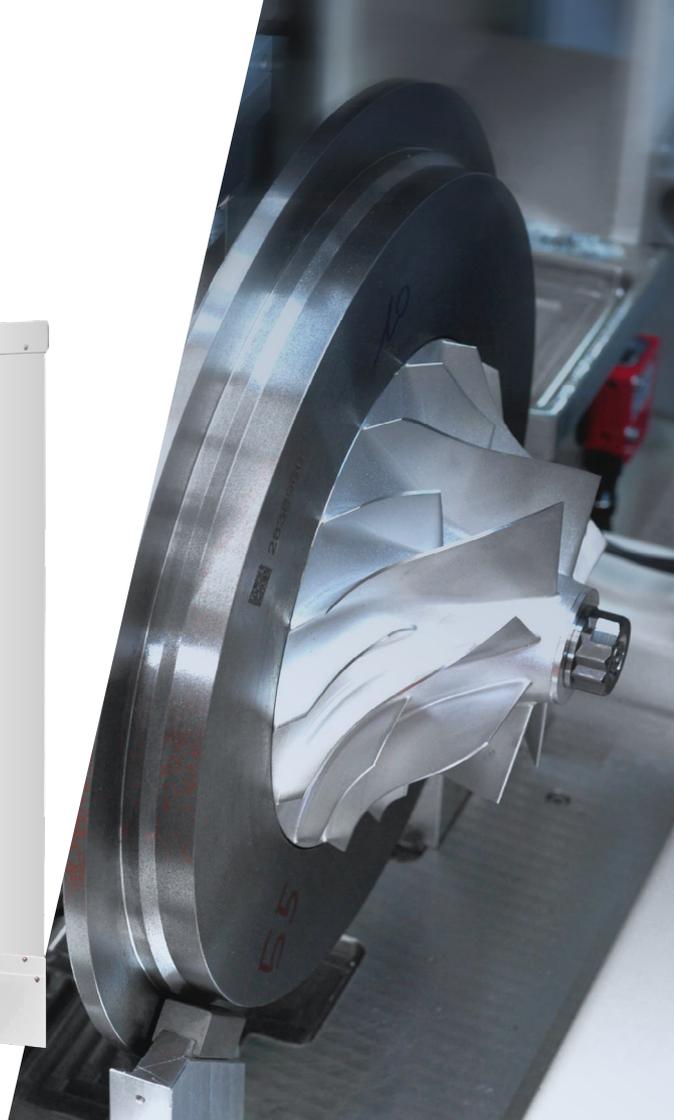


# CORE ASSEMBLY PC



# CORE ASSEMBLY

## LOW SPEED



# COMPRESSOR WHEEL



[www.cemb.com](http://www.cemb.com)

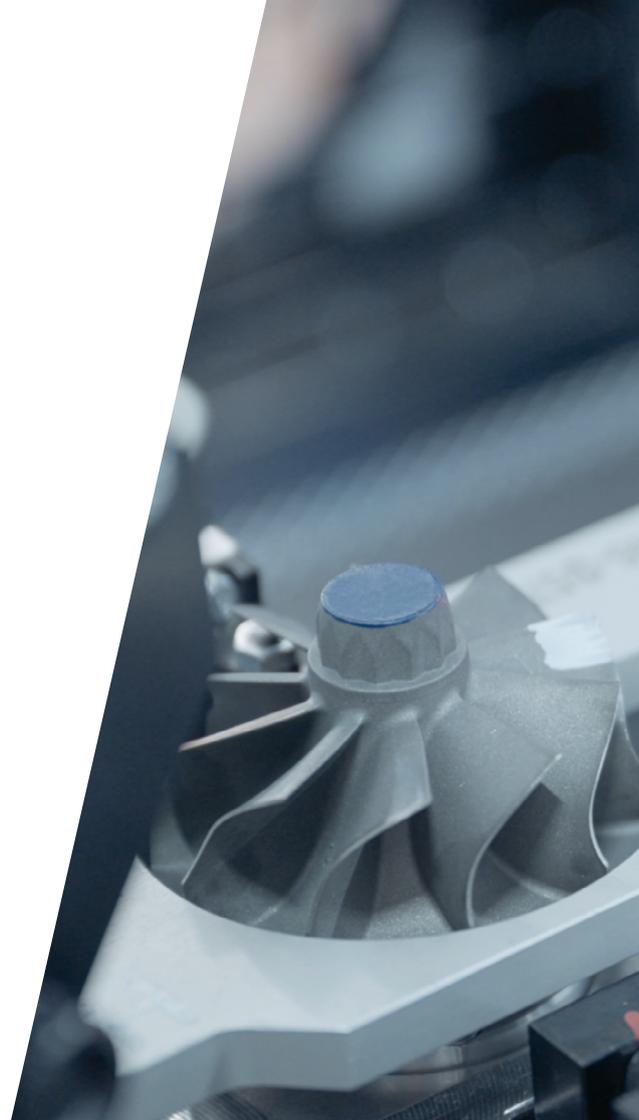
# TURBINE WHEEL SHAFT CV



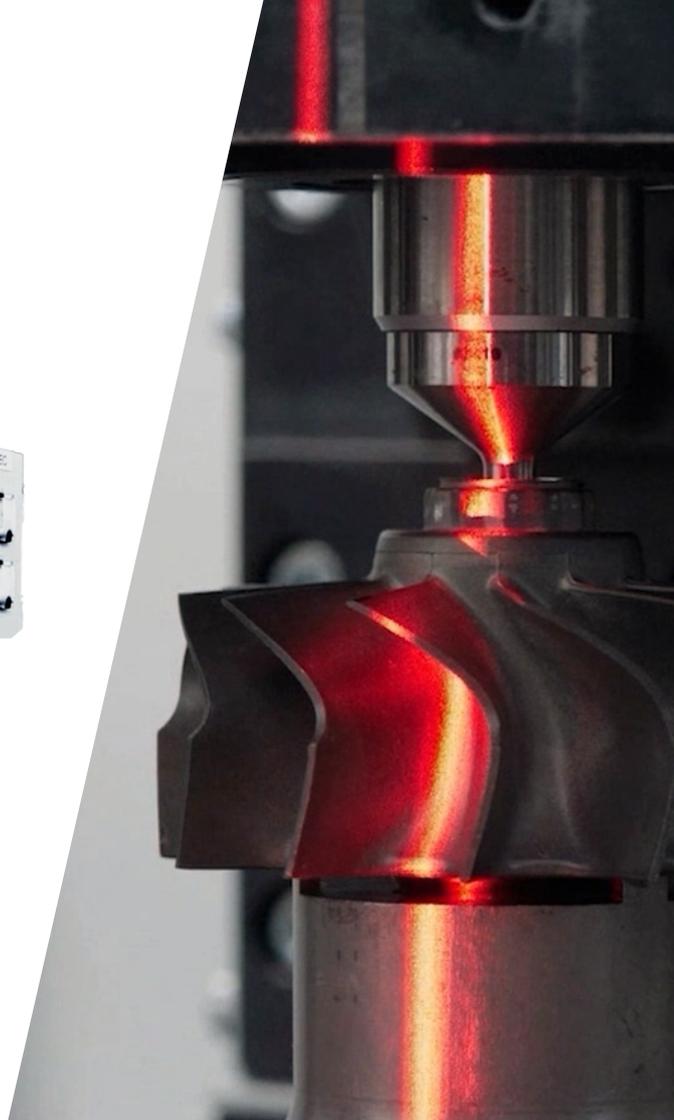
# TURBINE WHEEL SHAFT PC



[www.cemb.com](http://www.cemb.com)



# MASS CENTERING



# COMPONENTS MEASURING



[www.cemb.com](http://www.cemb.com)



-900B1 -901E



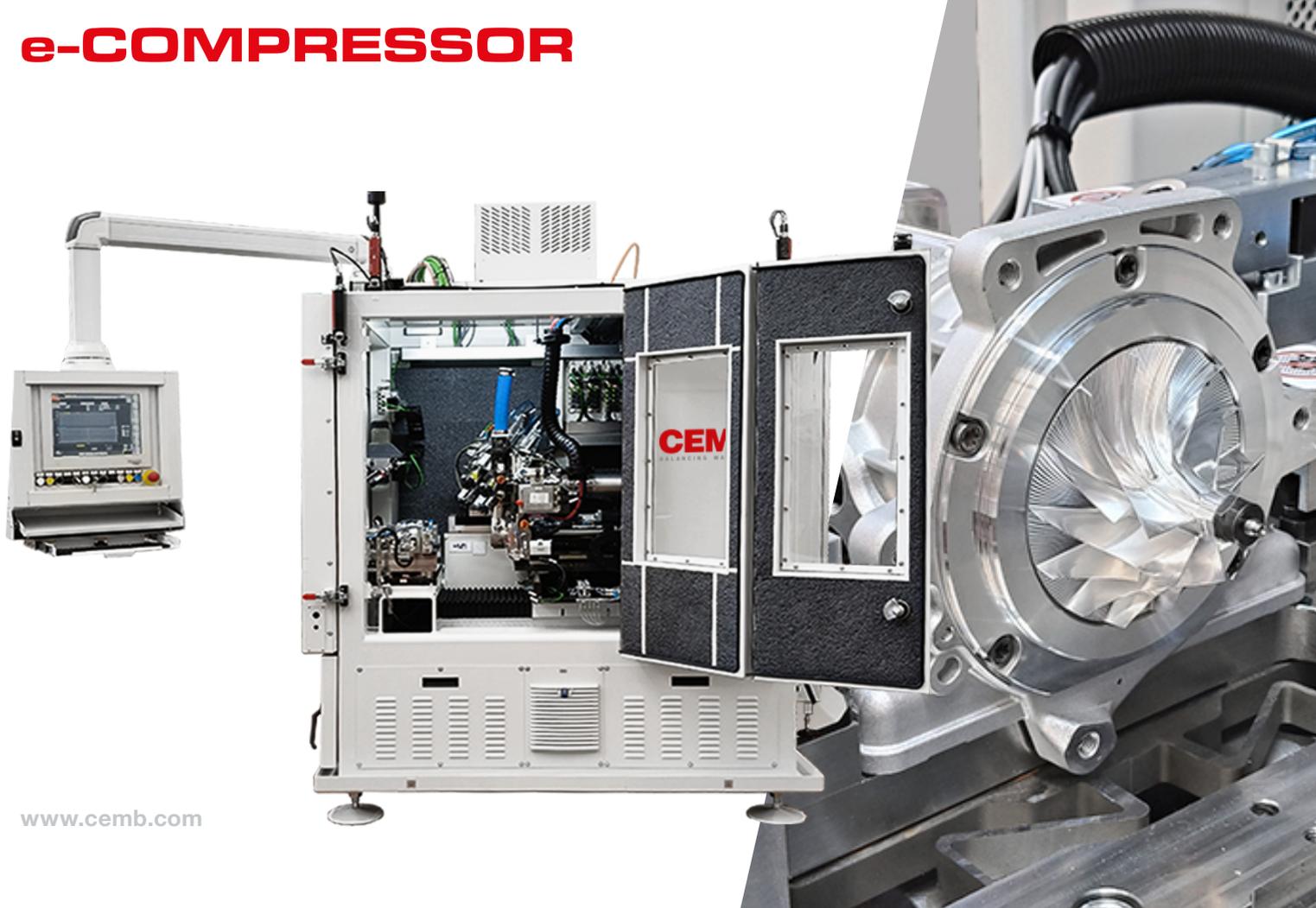
# LAST TURBO DEVELOPMENTS

**CEMB**  
BALANCING MACHINES  
INNOVATIONS

# 3-PLANES BALANCING



# e-COMPRESSOR





# CEMB

BALANCING MACHINES

**CEMB S.p.A.**

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Industrial balancing Machines

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