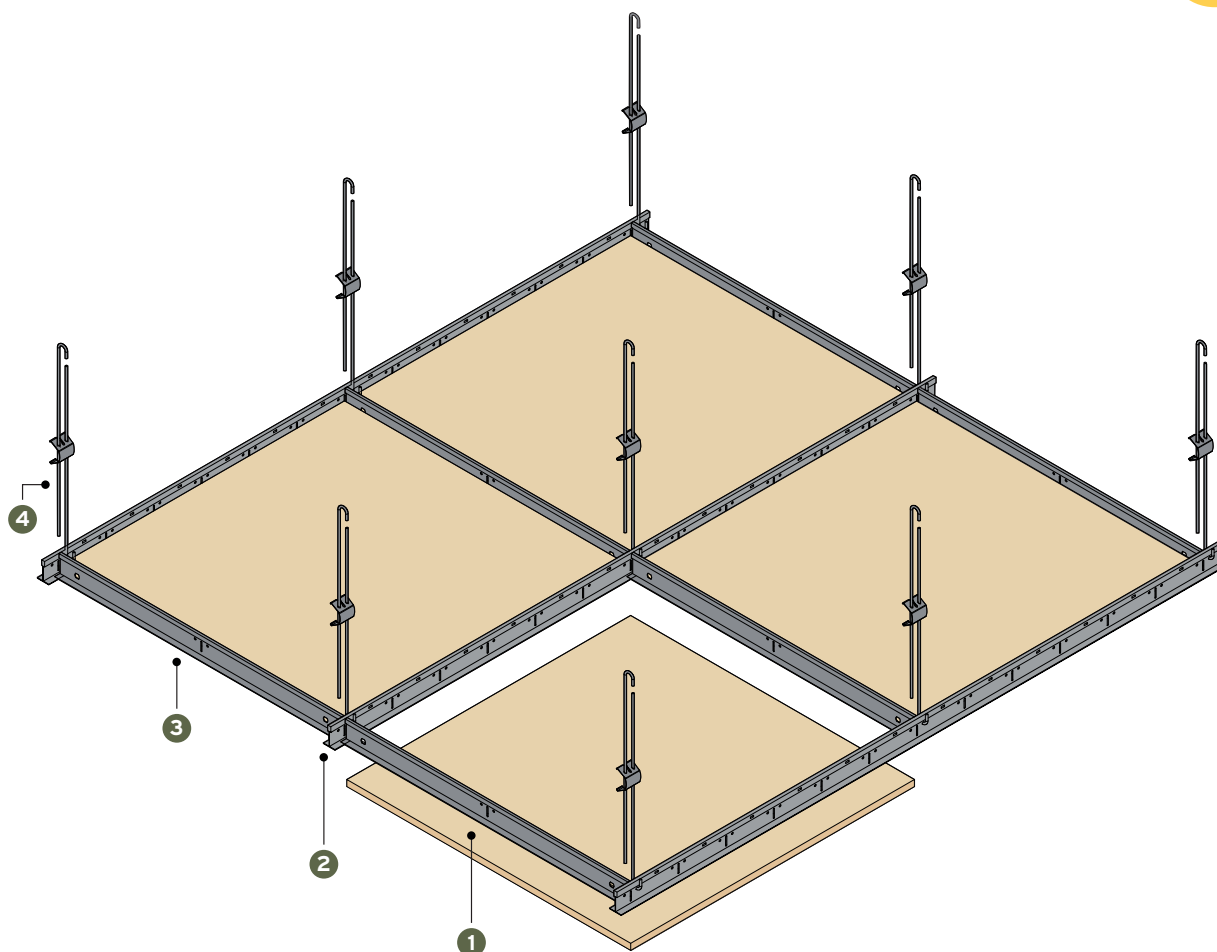


Wood ceilings & coverings

# **SOUND WOOD EXPO 100** system

 **CBI**  
EUROPE  
HI-TECH INTERIORS

# WOOD EXPO 100 SYSTEM

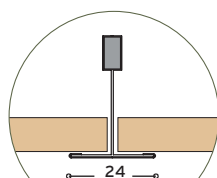


## PANEL PANNELLO

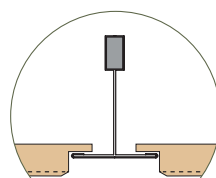
dimension type  
 square quadrato · SOUND WOOD  
 rectangular rettangolare

## GRID SYSTEM STRUTTURA

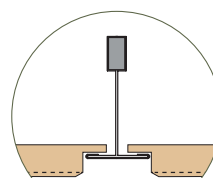
- CWT
- CWR
- CWN
- CWX



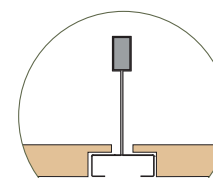
TRIM T24 > CWT



REVEAL T24 > CWR



NARROW T15 > CWN



XLINE T15 > CWX

38

1

panel  
 pannello  
 600x600 mm  
 600x1200 mm

2

main runner  
 profilo portante

CWT · CWR > **PKH 3700** 24x38x3700 mm

CWN > **PKA 3700** 15x38x3700 mm

CWX > **BP 3600** 15x42x3600 mm

3

cross tee  
 profilo intermedio

**IKH 0600** 24x38x600 mm

**IKHA 0600** 24x38x600 mm

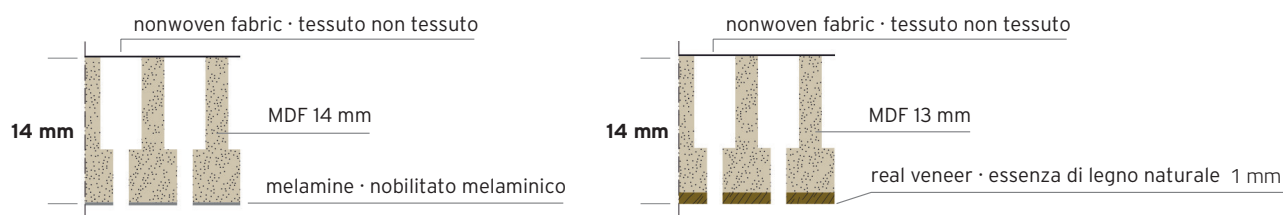
**BP 0600** 15x42x600 mm

4

**SOR** suspension  
 sospensione

## TYPE OF PANELS

### SOUND WOOD - MDF HIGH DENSITY



#### MDF HIGH DENSITY MDF ALTA DENSITÀ

Internal bond · Resistenza allo strappo	EN 319	0,65 / 1,1 N/mm <sup>2</sup>
C.R.F.	EN 310	22 / 35,1 N/mm <sup>2</sup>
M.O.E.	EN 310	2500 3180 N/mm <sup>2</sup>
Thickness swelling 24H (max) · Rigonfiamento 24H (max)	EN 317	15,0 / 12,3 %
Surface soundness · Strappo superficiale	EN 311	1,2 / 1,8 N/mm <sup>2</sup>
MDF Density · Densità	EN 323	780 Kg/m <sup>3</sup> +/- 5%
Thickness Tolerance · Tolleranza di spessore	EN 324-1	+/- 0,2 mm
Length and width tolerance · Tolleranza lunghezza e larghezza	EN 324-1	+/- 0,3 mm
Squareness · Squadro	EN 324-2	+/- 0,3 mm
Moisture content · Umidità	EN 322	4% - 11%
Grit content · Contenuto in silice	ISO 3340	< 0,05%
Formaldehyde · Formaldeide	EN 120	< 9 mg / 100 g
<b>Fire reaction class · Classe di reazione al fuoco</b>		<b>B s<sub>2</sub> d<sub>0</sub></b>

### SOUND WOOD - MULTILAYERS

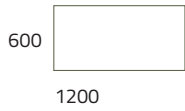


#### MULTILAYERS MULTISTRATO

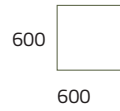
Thickness · Spessore	EN 315	15 mm
Layers · Strati	EN 315	n° 7
Mass · Massa volumica	EN 323	Kg/m <sup>3</sup> 410 +/- 10%
<b>Resistance to bending · Resistenza alla flessione</b>		
Longitudinal · Longitudinale	EN 310	25 N/mm <sup>2</sup>
Transversal · Trasversale	EN 310	25 N/mm <sup>2</sup>
Thermal conductivity · Conduttività termica	EN 10456	W/m K 0,12
Moisture content · Umidità	EN 322	% 8 - 12
Formaldehyde · Formaldeide		E1
<b>Fire reaction class · Classe di reazione al fuoco</b>		
Standard	ISO 13986	Dfl s1
On demand · A richiesta	EN 13501-1	B s <sub>2</sub> d <sub>0</sub>

## MODULARITY

rectangular

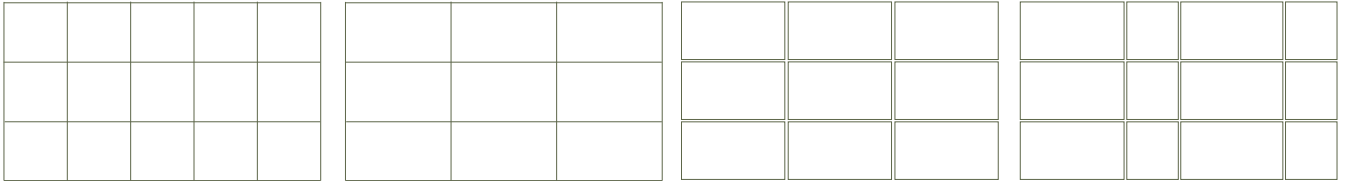


square



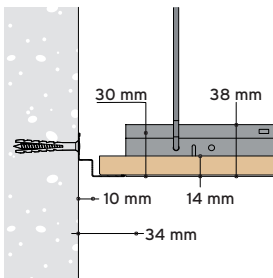
OTHER DIMENSION AVAILABLE ON REQUEST

sample compositions

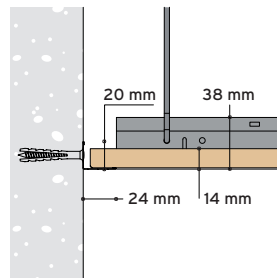


## PERIMETRAL MOLDING

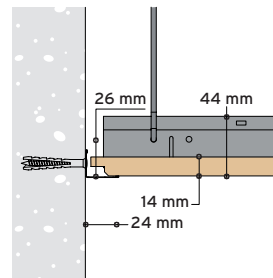
WOOD EXPO 100



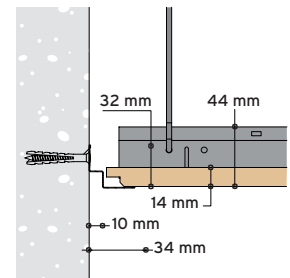
**W3000**  
CWT



**A3000**  
CWT



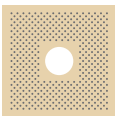
**A3001**  
CWR · CWN



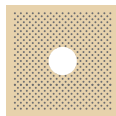
**W3001**  
CWR · CWN

## ACCESSORIES

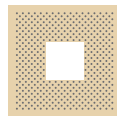
HOLES FOR LIGHTING UNITS



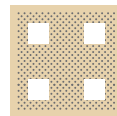
**H01**



**H02**



**H03**



**H04**

AIR VENTS



**H05**



**H06**



**H07**



**H08**

## FITTINGS

All Wood System panels permit the installation of fittings such as lighting, air nozzles, fume detectors, sprinklers and suspended signboards.

## FINISHES

### MELAMINE

> SOUND WOOD



oak rock white



elm tafira



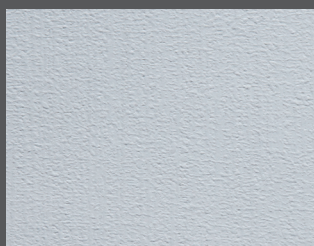
ash tree supremo



oak bruges



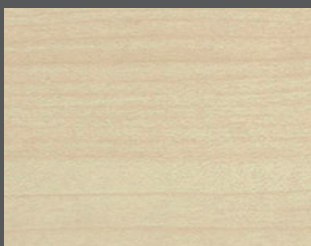
walnut athens



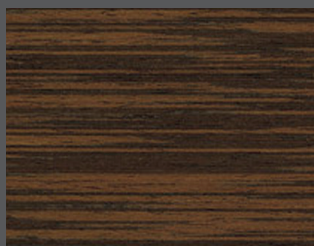
white

### REAL VENEER

> SOUND WOOD



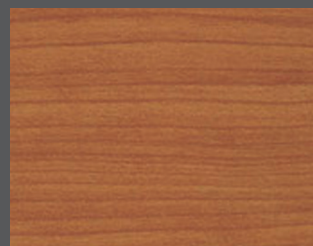
maple



wengè



beech



cherry



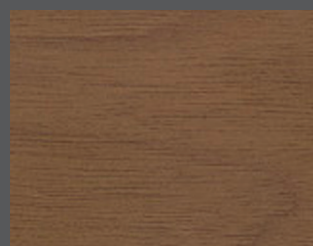
zebrano



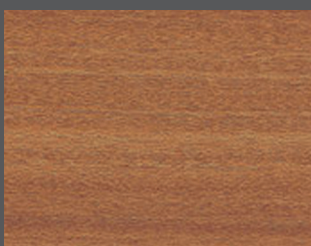
ash tree



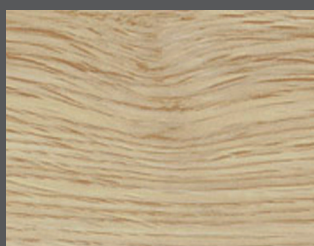
walnut 1



walnut 2



mahogany



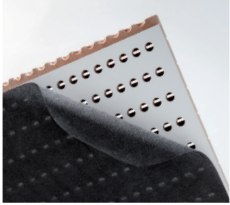
oak

The colour card shown on this page is purely for information purposes; please request samples. Please contact CBI Europe's Technical Office for special colour re-

quirements which will be supplied only for orders of at least 800 sq.m. Wood system accessories are finished in aluminium or wood.



# SOUND WOOD · CEILINGS *CONTROSOFFITTO* PERFORATION · ACOUSTIC ABSORPTION PANELS FORATURE · ASSORBIMENTO ACUSTICO

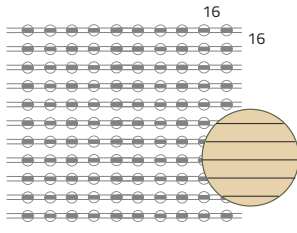


Each element incorporate a layer of sound absorbing material on the panelbacking.  
Ogni elemento è comprensivo di uno strato di materiale fonoassorbente sul retro.

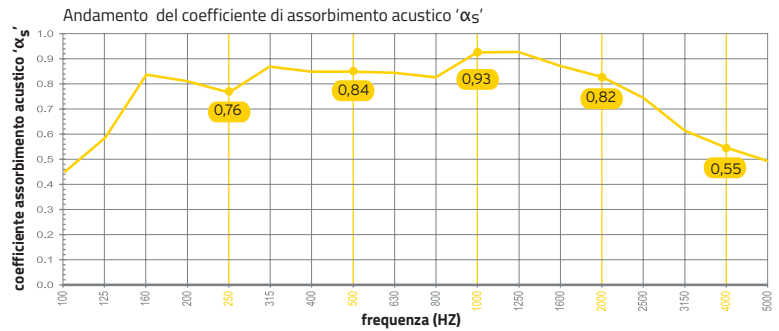
— ceiling *controsoffitto*

Istituto Giordano n° 196088  
197140 UNI EN ISO 354: 2003

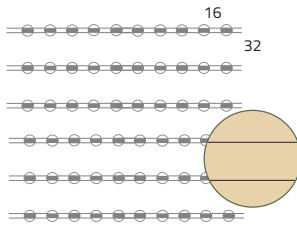
## SUPREME SOUND WOOD 1616



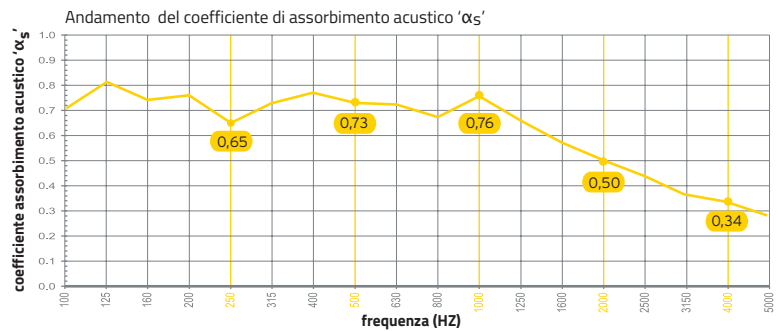
hz	250	500	1000	2000	4000	$\alpha_W = 0,75$
$\alpha_p$	0,80	0,85	0,90	0,80	0,55	



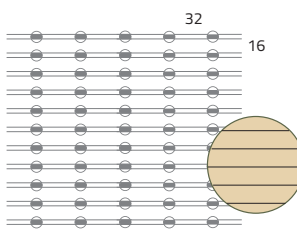
## HIGH SOUND WOOD 3216



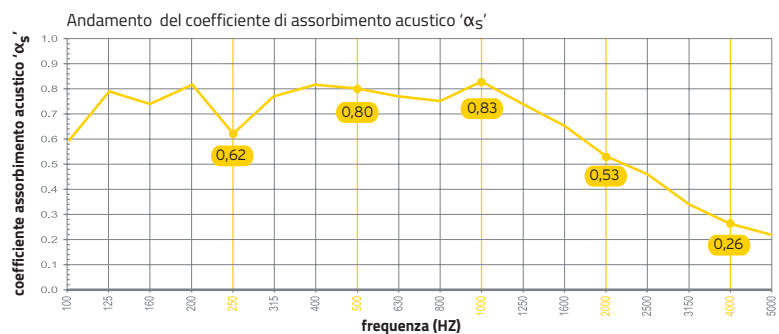
hz	250	500	1000	2000	4000	$\alpha_W = 0,50$
$\alpha_p$	0,70	0,75	0,70	0,50	0,35	



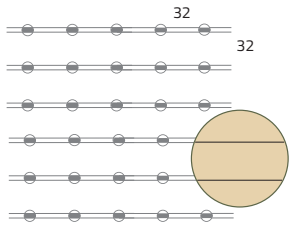
## MEDIUM SOUND WOOD 1632



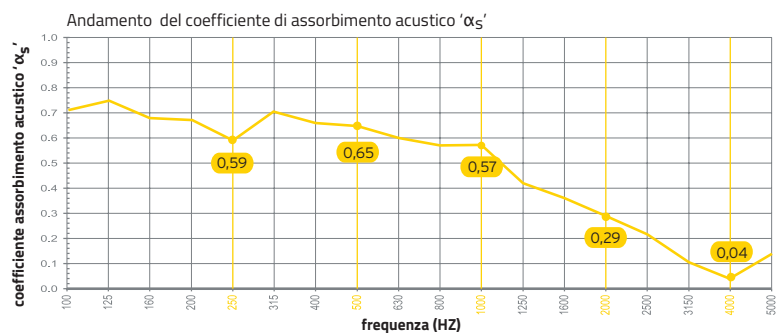
hz	250	500	1000	2000	4000	$\alpha_W = 0,45$
$\alpha_p$	0,75	0,80	0,75	0,55	0,25	



## LIGHT SOUND WOOD 3232



hz	250	500	1000	2000	4000	$\alpha_W = 0,30$
$\alpha_p$	0,65	0,65	0,50	0,30	0,10	

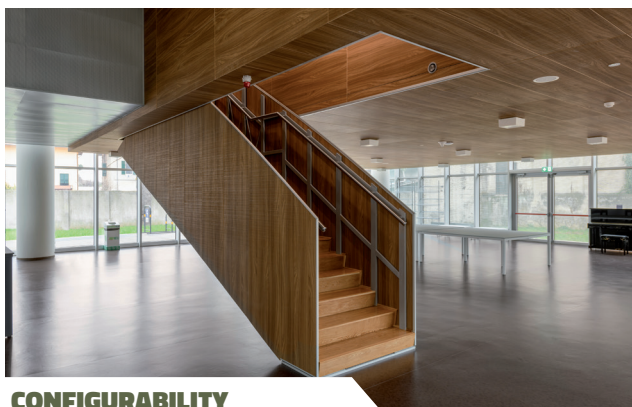


# WOOD CEILINGS & COVERINGS: technical perfection, 100% made in Italy.

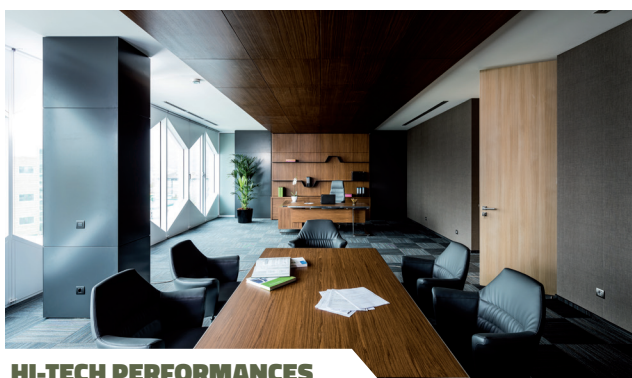
Modern, welcoming workplaces, free from noise pollution, where the warmth of natural wood is complemented by stylish, clean lines. Slats and panels set new standards in style for public offices and community spaces.



**AESTETICH VERSATILITY**



**CONFIGURABILITY**



**HI-TECH PERFORMANCES**

Modular elements standard or custom made, resistant, durable, easy to handle, simple and quick to install, inspected, certified, eco-friendly. They can be installed in any environment thanks to the architectural elements of great aesthetic versatility.

## Why

- **MODERN AESTHETICS FOR ENVIRONMENTS WITH A WELCOMING AND NATURAL ATMOSPHERE.**
- **EXCLUSIVE IN-LINE ASSEMBLY STRUCTURE: SIMPLE, QUICK TO INSTALL, WITH CUSTOMIZABLE GAP ON REQUEST.**
- **SEISMIC SAFETY.**

## Where

**AUDITORIUMS, THEATRES, AIRPORTS, CONFERENCE ROOMS, OFFICES, PUBLIC SPACES AND ALL ENVIRONMENTS THAT REQUIRE SAFETY, EFFECTIVE NOISE CONTROL AND ELEGANT INTERIOR DESIGN.**

## Benefit

- **ACHIEVING FLEXIBLE, COMFORTABLE, CONTEMPORARY AND RESPONSIBLE INTERIORS.**
- **OBTAINING POINTS FOR LEED CERTIFICATION.**
- **SOUNDPROOFED ENVIRONMENTS.**
- **SPEEDING UP CONSTRUCTION.**
- **CONTAINING COSTS OF LABOUR AND MAINTENANCE.**
- **STRUCTURES 100% INSPECTABLE.**
- **INTEGRATION WITH ADVANCED CLIMATE CONTROL, DOMOTICS AND LIGHTING.**
- **PRECISE BUDGETING.**



### FIRE REACTION

CBI Europe works hard to ensure the safety of the environments set up with its products. Research and tests allow us to obtain a constant evolution of quality. Certifications are provided on request.



### FASTNESS

Our systems are designed to guarantee rapid installation, speeding up the laying phases and respecting all the requirements of planarity and orthogonality.



### ACOUSTIC ABSORPTION

All systems are designed to offer excellent sound absorption performance, specific to the type of environment, safety and aesthetic results. Certifications are provided on request.



### LEED CERTIFICATION

All products are manufactured in certified and constantly monitored processes to guarantee the highest standards of quality and safety.



### ANTI-SEISMIC

The systems guarantee the application of all good safety practices in the construction and development of dedicated projects. Upon request, they can be supplied with an anti-seismic reports, which indicate suitable bracing.



### INTEGRATED ACCESSORIES

The system can be fitted with accessories such as lighting units, ventilation vents, smoke detectors, sprinklers and suspended signage.



### RECOMMENDATIONS FOR INSTALLATION

Slight differences in colour and shade between one panel and another are due to natural variations in the wood veneers. To obtain the most pleasing aesthetic effect, we recommend that you lay the panels out before deciding on their final arrangement. It is also good idea to order an extra number of panels to allow for future replacements, since shades, colours and grain can vary from one batch to another. All 'CBI Sound Wood Panels' must only be installed in indoor environments when the building maintained at a constant temperature.

Wood System panels should be removed from their packaging in the place of installation 48 hours before installing the ceiling or wall, so that they can assume the humidity of the environment. We recommend switching on the air conditioning in the environment at least 24 hours before starting installation. The installation environment should have temperature no lower than 15° and a relative humidity between 35% and 55% before work starts.



### HYGIENE AND MAINTENANCE

Wood System panels are easy to maintain and require no special maintenance. To clean, simply wipe with a dry cloth. Panels should not be exposed to direct sunlight: like all natural materials, wood tends to change colour when exposed to UV rays. The polyacrylate treatment of the panels tends to reduce this effect. Remember that water and humidity will damage the veneering.



CBI EUROPE Via Mons. A.O. Romero, 14 · 60027 Osimo (AN) Italy  
T +39 071 71 08 688 · fax +39 071 71 08 63 · info@cbi-europe.com · www.cbi-europe.com

