

Stainless steel integrated wall panel

Designer Support Program

Dear Designers,

We are pleased to share with you our specially developed designer support program, Stainless steel integrated wall panel. |It has developed aircraft interior materials into a decorative material suitable for global high-end buildings, so that you can more easily and smoothly complete the design and decoration works, thus helping you to enhance your popularity in the industry. your design expertise together with our new materials makes us a successful combination.

In this support program, you will find the most important products and cost control tools and learn how to benefit from our partnership. the unique selling points we listed help you get more interior decorative project contract.

Selection guide for our stainless steel honeycomb panel will help you and your customers choose patterns and colors and installation way easily. The The design guide provides the best solution of the project, reduces the cost of the product, helps you with detailing of the drawings, vitulize the effect of pre-installation, and helps you greatly shorten the installation time on site.

Furthermore, our website www.crzmetal.com allows you to find everything you need for a successful sale and you can download brochures and project stories. we hope you find this guide useful and we wish you all the success in design and business de

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Crazy Metal C E 0



Excellent partners:

we are committed to your success. This is why we have established the following Designer Support Program to support your career development:

Stainless steel integrated wall panel have good fame in the industry for their product quality and fast installation. This helps with your perfect project and build a good fame in your industry.

- Your benefit:
- Use our global patented products to provide better choice of decoration materials for your design
- Use new environmental materials to help you get more project contracts
- Get recommendations from our team for bidding projects
- Get free recommendation from us for supply chain of other materials

Easy projects

As our partner, we will provide you with a professional product manager (20 years of decorative building materials work experience, 14 countries' project implementation experience, and smooth English communication) to help you successfully complete the design work, tender work and project installation.

Your benefits:

We help you reduce product costs, shorten construction time and save project budget Achieve Material surface treatment closest to original design

- Most seamless panel joint
- 100% pre-installation in the factory before shipment to assure accuracy of on-site installation.
- all production status, delivery times and orders is always trackable via www.crzmetal.com



Your success

Our commitment

A brand sell

Crazy Metal has the patent

The most attactive product series

As our partner, you always have a wide competitive products and the right tools to do your job easily. We ensure that the products you purchase meet the requirements and standard of the industry.

Your benefits:

A wide selections of stainless steel honeycomb panels and one-stop service to reduce the the difficulty of the coordination of different suppliers.

- Short lead time and your budget satisfactory.

We provide designers with continuous product training and design support, efficient business support, and valuable insights into customer needs.

Your benefits:

Get a comprehensive product training on website Get all product information, certification and specifications on the

website

applications

• stock, standard products or 100% customed solution for your choice.

According to your needs, we provide online one-to-one professional training on "stainless steel honeycomb panel" products and



First class designer support program Dedicated to fast installation.



High-end architectural decoration, starting from the use of aircraft materials



Iven@crzmetal.com

With more than 20 years of successful development of building materials, we understand your application and provide creative solution for your requirements

Our patents are about aircraft decoration material, and our complete solutions are about shortening the installation period and helping customers with urgent projects;

Our goal is to provide the best products and solutions for your work. That's why our experts are constantly committed to making our products more modular, better surface, easier to install, and always at your service.

All of our solutions can meet today's challengesAnd tomorrow's demands.



professional reliability

- global projects
- patent for Stainless steel integrated wall panel



- Achieve the closest design
- effect
- Reduce installation time
- and take urgent projects



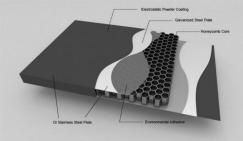
Excellent products

Meet industrial standard

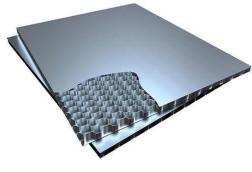
- Help you with choice
- Local installation support

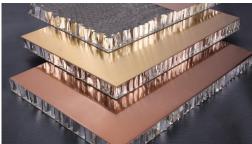














Crazy Metal 0100 Series

Stainless steel Facade System

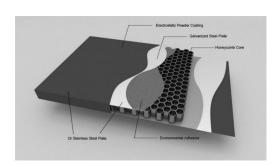
Project material: stainless steel integrated wall panel water wave pattern

Project area: 3000 square meters

Project effect: water wave feeling, Large area segmentation, full of design sense

Project period: 30 days, saving 30 days

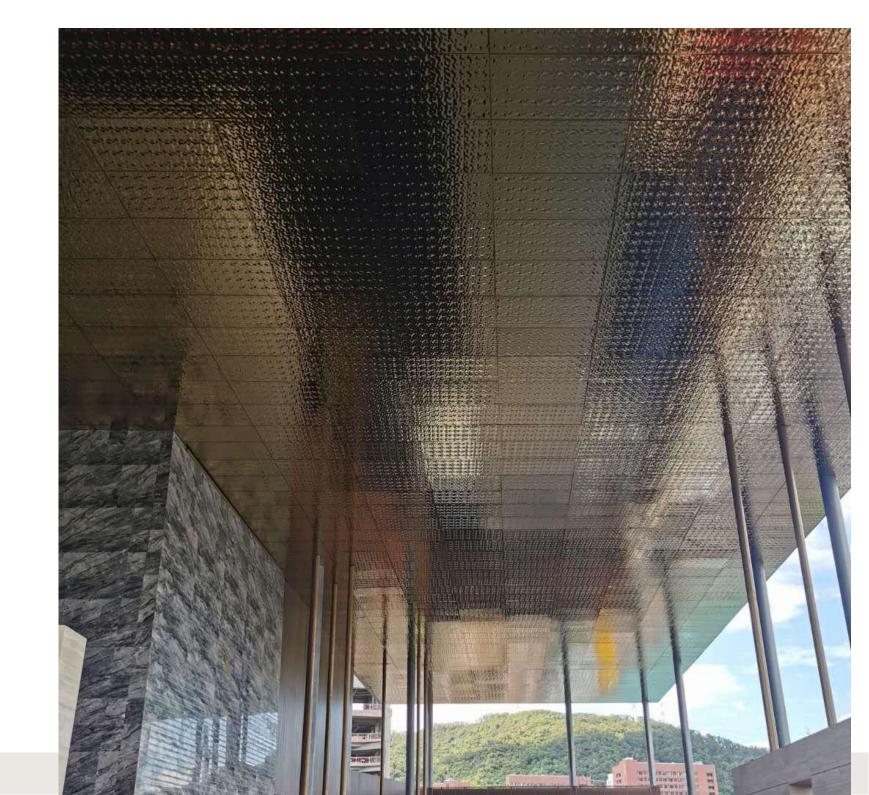
Stainless steel integrated wall panels have proven its ultimate reliability worldwide



Useful, safe and mature technology, carbon consumption greatly reduced



capable to adapt to unique irregular shape design





Professional reliability

Crazy Metal 0200 Series

Escalator decoration System

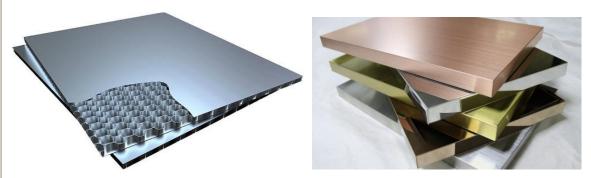
Project material: Flat Stainless steel integrated wall panel

Project area: 2000 square meters

Project effect: mirror flatness neat and clean

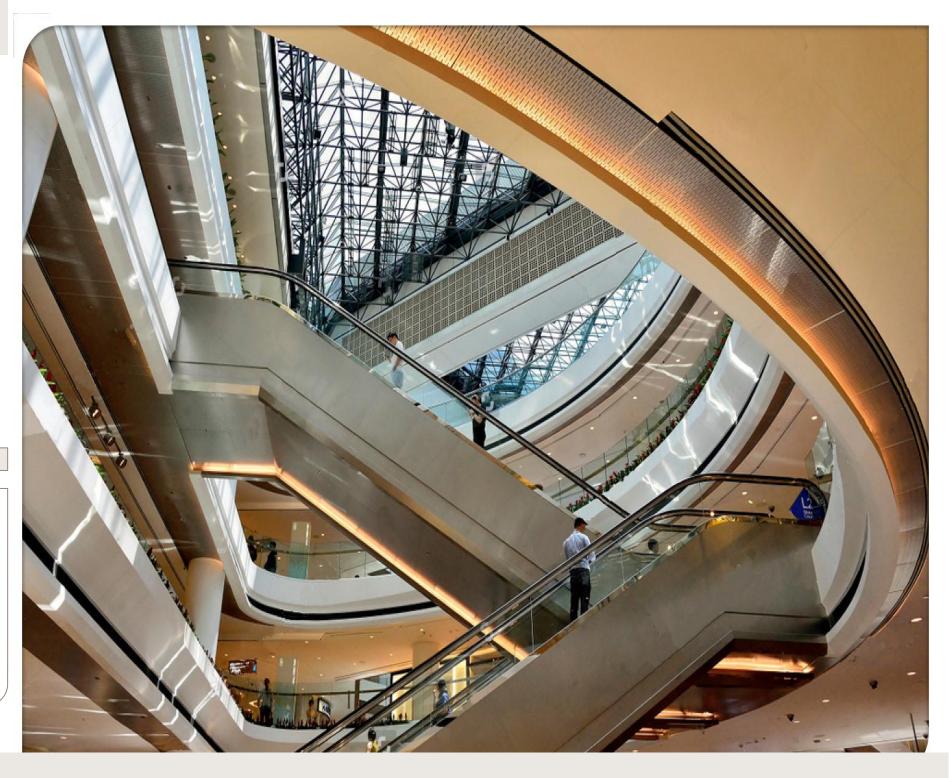
Installation period: 15 days ,saving 15 days

Stainless steel integrated wall panels have proven its ultimate reliability worldwide



Useful, safe and mature technology, carbon consumption greatly reduced







Crazy Metal 0300 Series

Professional reliability

Stainless steel water ripple ceiling System

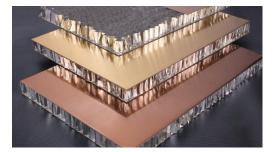
Project material; Stainless steel integrated wall panel with water ripple pattern

Project area: 2000 square meters

Project effect: water wave effect, cool feeling and highend look

Installation period: 20 days. Saving 20 days

Stainless steel integrated wall panels have proven its ultimate reliability worldwide



Useful, safe and mature technology, carbon consumption greatly reduced





capable to adapt to unique irregular shape design



Crazy Metal 0400 Series

Professional reliability

Stainless steelToilet Partition System

This series adopts suspended installation, all the panels are suspended, and the design without supporting feet makes the same space more spacious to use. Its unique suspended structure demonstrates the simplicity and elegance of the bathroom, and makes the bathroom clean without dead ends and easy to maintain.

Application Airports, star hotels and other places





capable to adapt to unique irregular shape design

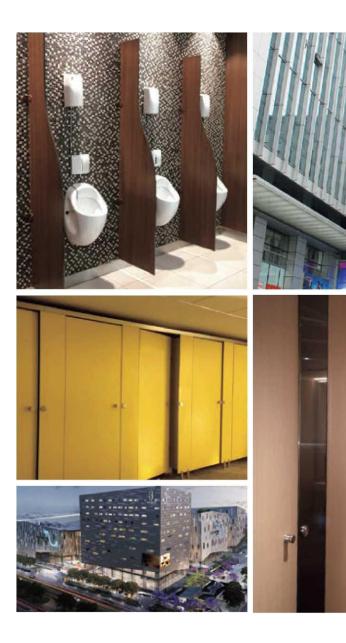


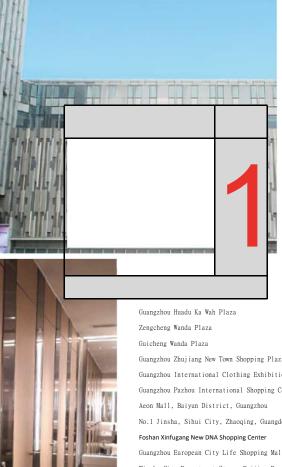


Scene picture:



capable to adapt to unique irregular shape design





Guangzhou Zhujiang New Town Shopping Plaza Guangzhou International Clothing Exhibition City Guangzhou Pazhou International Shopping Center No.1 Jinsha, Sihui City, Zhaoqing, Guangdong Province Guangzhou European City Life Shopping Mall Tianhe City Department Store, Beijing Road, Guangzhou Huizhou Rainbow Shopping Center Cambodia Diamond Twin Tower Philippines Nex Tower

Pakistan Nishat Emporium Mall 😬

Panama Mega Mall



Crazy Metal 0500 Series

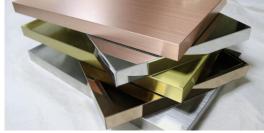
Professional reliability

Stainless steel hotel furniture systems

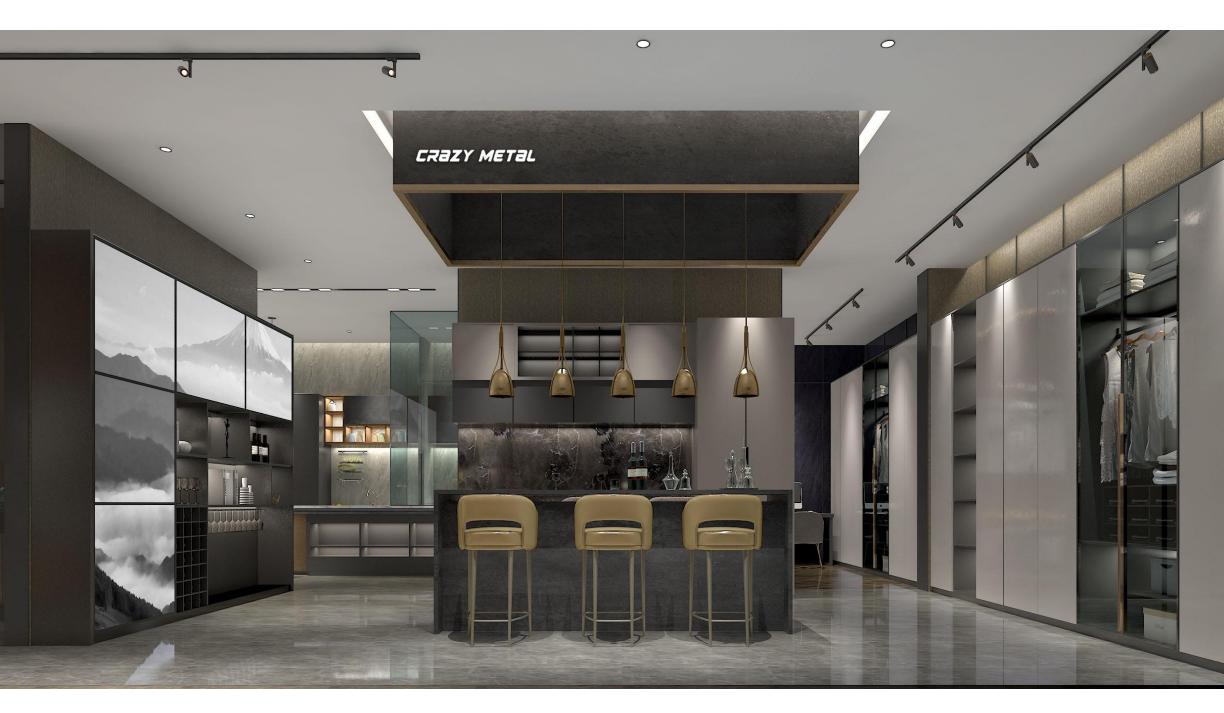




capable to adapt to unique irregular shape design

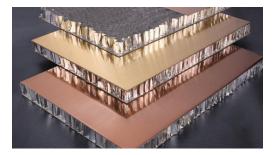






capable to adapt to unique irregular shape design







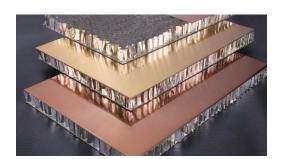


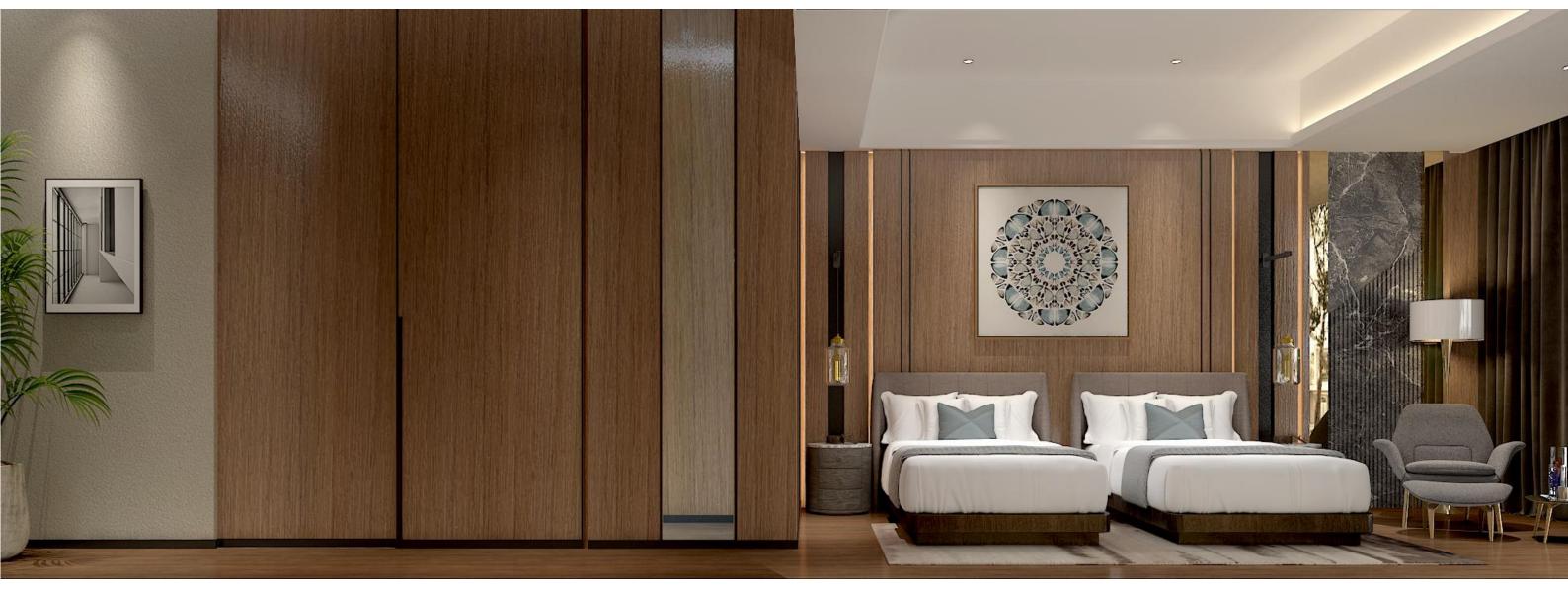
Crazy Metal 0600 Series

Professional reliability

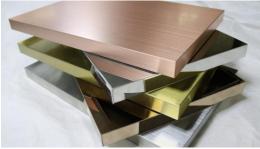
Stainless steel Indoor decorations systems

capable to adapt to unique irregular shape design





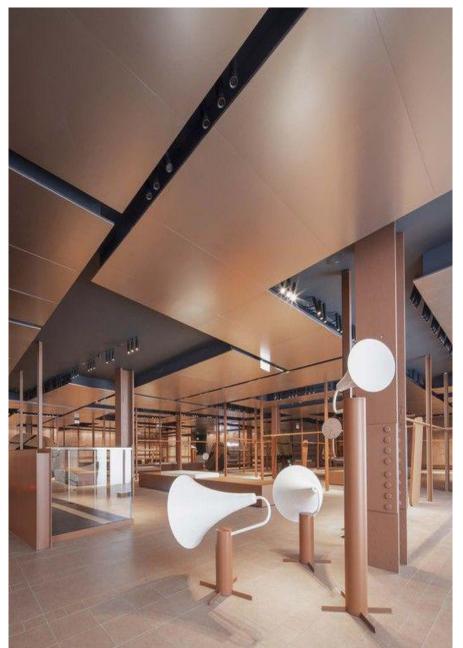
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capable to adapt to unique irregular shape design







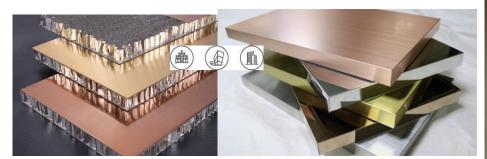




Crazy Metal 0700 Series

Professional reliability Stainless steel Door systems

capable to adapt to unique irregular shape design











Patent for Stainless steel integrated wall panel

Professional reliability

CrazyMetal Honeycomb Panels

Manufacturer's Certificates



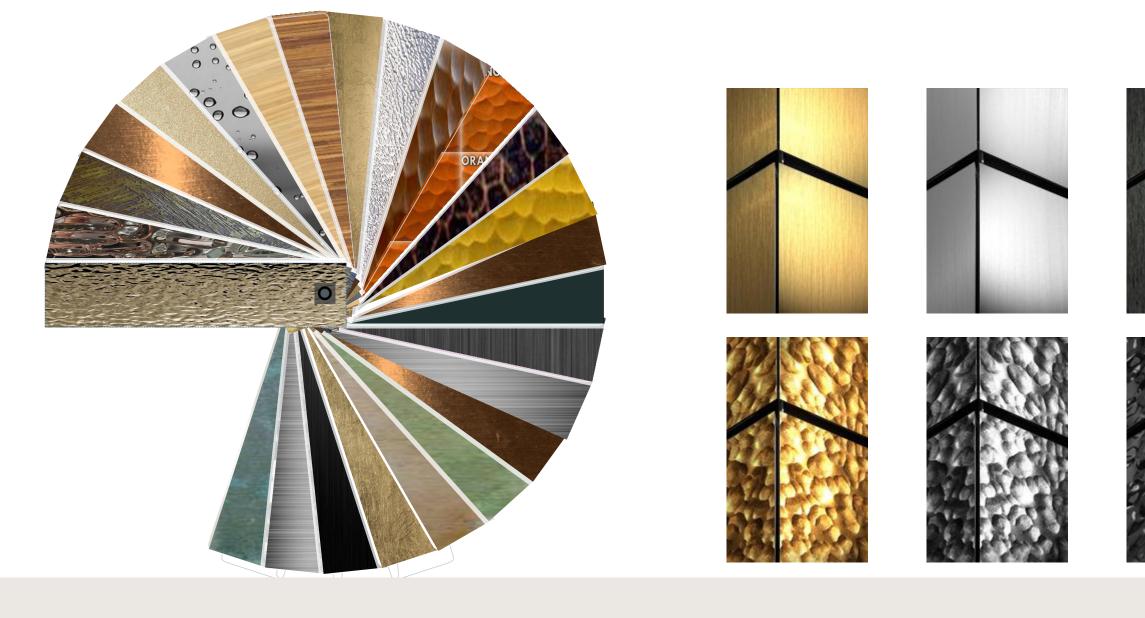




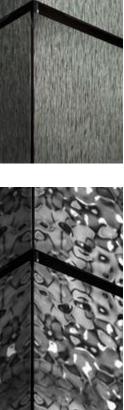
Achieve your original design effect

Wall finishes.

Choose your materials











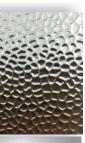


Achieve your original design effect

Wall finishes.

Choose your materials





Hammered in



Medium size hammer



Small size Hammer



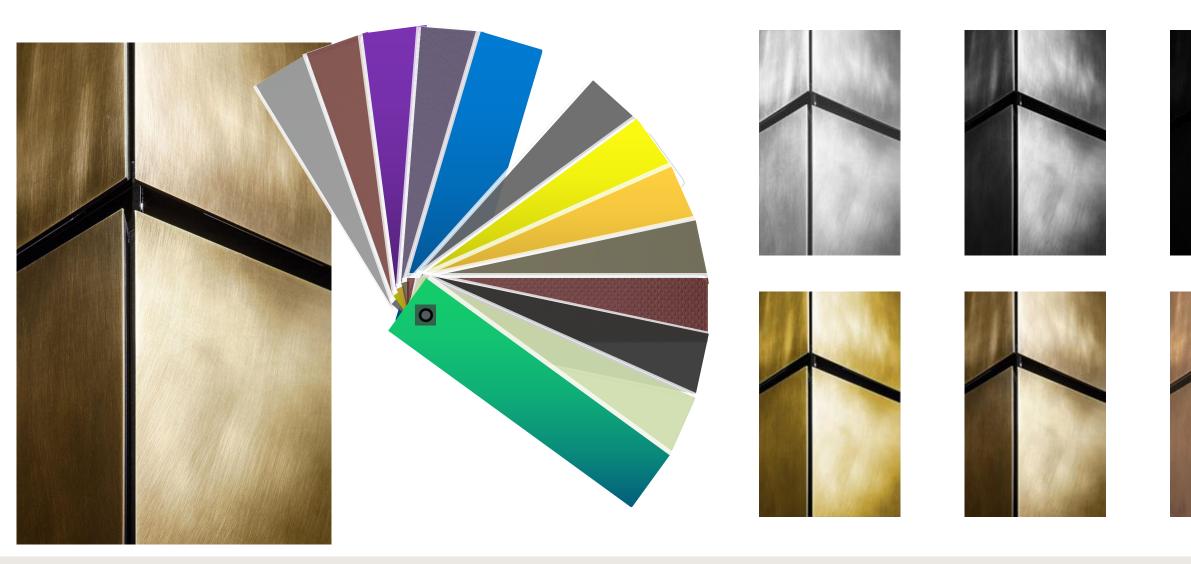
Hammered out-Rgold



Achieve your original design effect - color

Wall finishes.

Choose your color







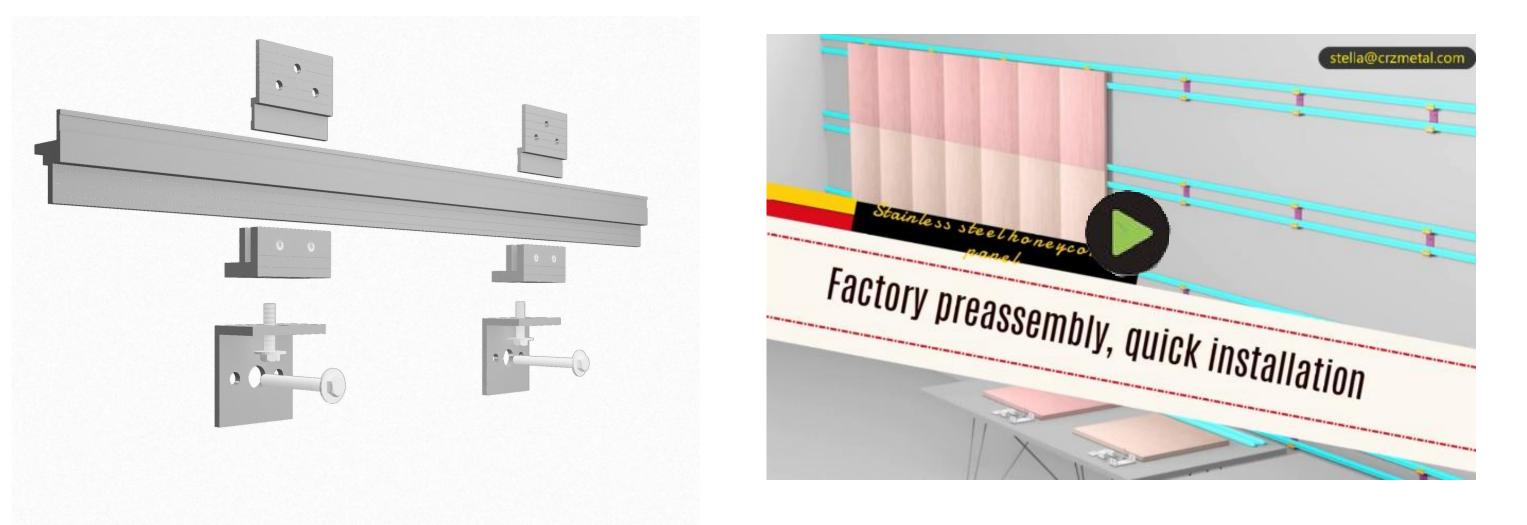






Achieve your original design effect - Reducing the installation time

Support urgent projects and a nd saves 50% installation time No need other substrate materials and coordination, modular panel production and priovide all the steel frame and accessories





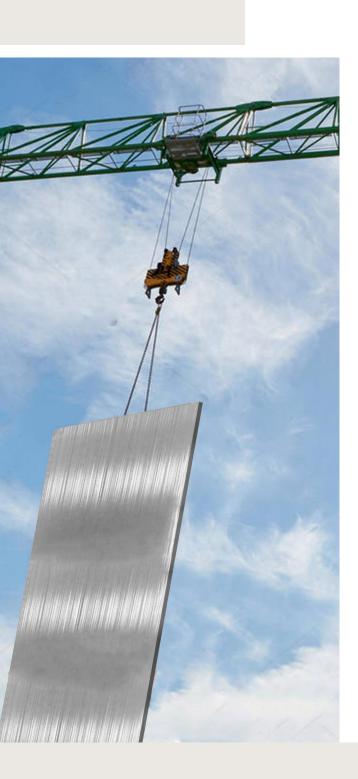
2020~2220, The most promising building materials

Stainless steel integrated wall panel











Crazy Metal future project

today's solution can meet your future requirement

Our Stainless steel integrated wall panel solution is designed to meet the needs of today's interior design and decoration and prepare for the future in terms of international environmental protection building material upgrading and the decoration demand of the fourth generation building . These highly standardized panels and pre-assembled accessories are easy to select and deliver quickly. This ensures that you always get the right solution from a single vendor. Detailed drawings and product information in 2D and 3D (AutoCAD) are also available to help simplify installation.







Winning the competition

Aluminum plate will get corrocted, copper plate is more expensive, gold is even more expensive

	anti-corrosion	strength	welding	price	surface selection	installation	pre install
aluminum plate	×	×	×		×	×	×
aluminum honeycomb panel	×	×	×		×	×	×
copper plate	×		×	×	×	×	×
stainless steel plate						×	×
Stainless steel integrated wall panel	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark



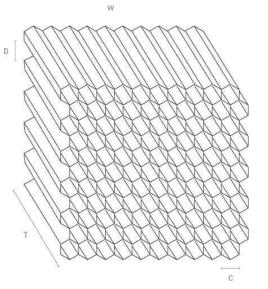
Excellent products

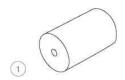
The Aluminum Honeyomb Core is composed of multilayer aluminum foil. Honeycomb is formed after fully expanded. Our aluminum honeycomb core has sharp and clear hole surface, and it is suitable for adhering to high grade panels as well as other purposes. At present, two types of product we mainly produced are micro aperture aluminum core and normal aluminum core.

DESCRIPTION

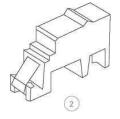
Material alloy 3003h18 or 5052h18 Aluminum Honeycomb supplied the range is da follows: - Expanded or unexpanded. -Full blocks or cut slices. - Perforated or unperforated.

W - Width D - Distance Between Cell T - Thickness $L \mbox{ - Length node } C \mbox{ - Cell Size}$

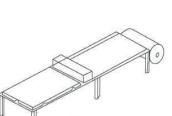




Corex honeycomb begins life as a coil of aluminium foil.



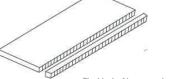
Foil goes through the printer for adhesive lines to be printed.



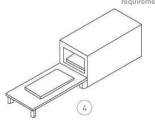
MANUFACTURING PROCESS

Once the lines are printed, the foil is cut to size and stacked into piles using the stacking machine.

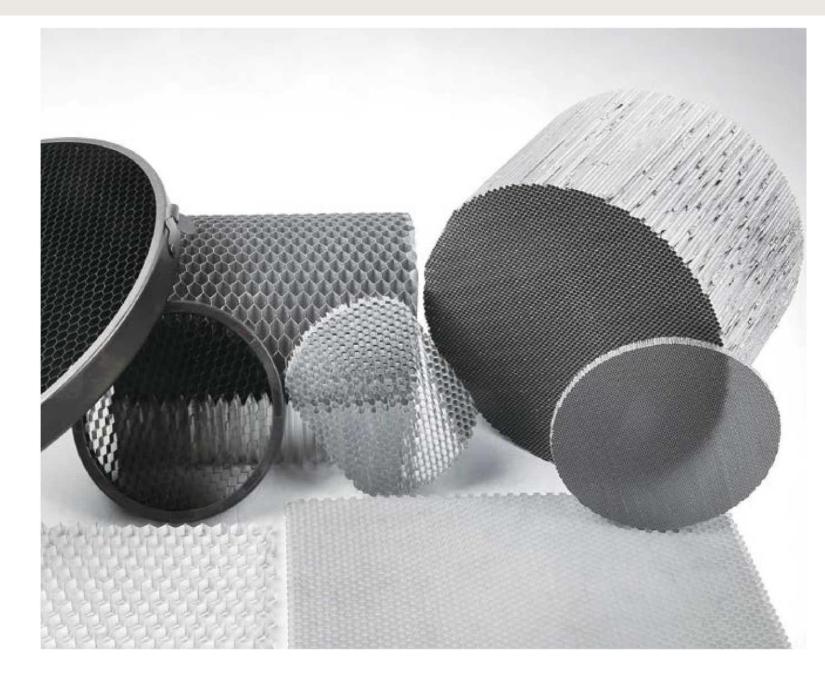
(3)



The block of honeycomb can be cut into slices The thickness of the slices will be tailored to each customer's individual requirements.



Following this the stacked sheets of foil are pressed using a heated press to allow the adhesive to cure and bond the sheets of foil together forming a block.



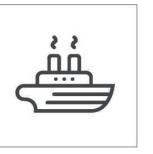
Excellent products

Micro(super micro)-aperture aluminum core

	Micro-aper ture Honeycomb							
Side length	0.5mm	0.6mm	1mm	1.5mm	1.83mm	2mm	2.5mm	3mm
Cell size	1/30inch 0.87mm	1/25inch 1.04mm	1/15inch 1.73mm	1/10inch 2.6mm	1/8inch 1/8 inch	1/8inch 3.47mm	1/6inch 4.33mm	1/5inch 5.2mm
Maximum dimension after expansion (mm)	300*300		1000*1000	1200*1200	1500*1500	1500*1500	2000*1600	2000*1700
Foil type & thickness (mm)	3003H18 3003H18 3003H18 0.04 0.025mm 0.04mm 5052H18 0.04 0.03mm			<u>3003H18 0.04</u> 5052H18 0.04	4 0.05 0.06 0.07 4 0.05 0.06	0.1		

ALUMINUM HONEYCOMB CORE ABSORBERS APPLICATIONS

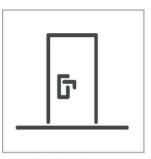




01 Small truck

02 Yacht





05 Platform of printing machine

06 Honeycomb door





09 Light armored vehicle

10 Train buffers

Side length	0.5mm	0.6mm	1mm	1.5mm	1.83mm	2mm	2.5mm	3mm
Cell size	1/30inch	1/25inch	1/15inch	1/10inch	1/8inch	1/8inch	1/6inch	1/5inch
	0.87mm	1.04mm	1.73mm	2.6mm	1/8 inch	3.47mm	4.33mm	5.2mm
Maximum dimension	30	0*300	1000*1000	1200*1200	1500*1500	1500*1500	2000*1600	2000*1
after expansion (mm)								
Foil type &	3003H18	3003H18	3003H18 0.04	4 0.05 0.06	3003H18 0.0	4 0.05 0.06 0.07	0.1	
thickness (mm)	0.025mm	0.04mm	5052H18 0.04	4 0.05 0.06	5052H18 0.0	4 0.05 0.06		
	0.03mm							
	-	-	•	-	•	•	-	-

Normal aluminum core

Conventional Honeycomb

Side length 3mm	4mm	5mm	6mm 7.5mm	10mm	12mm	15mm
Cell size	1/4inch 6.93mm	1/3inch 8.66mm	3/8inch 1/2inch 10.4mm 13mm	3/4inch 17.32mm	4/5inch 20.78mm	1inch 25.98mm
Maximum dimension after expansion (mm)			8000x1700			
Foil type & thickness (mm)		3003H18 0.04 0.05 0.06 0.07 0.1 5052H18 0.04 0.05 0.06				





03 Wind power

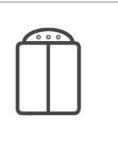
04 Moving building



07 Electronic Whiteboard



08 Honeycomb sandwich panel



11 Elevator protection



12 Vehicle impact test



DEFINITION

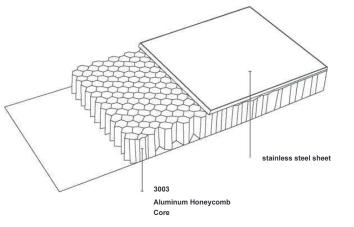
The stainless steel honeycomb composite panel exterior wall is a high-level building decoration material used only in the aerospace industry in the past. The surface of the board is a stainless steel plate, and the middle layer is an aluminum foil honeycomb structure| (stainless steel honeycomb can also be used), which has excellent rigidity, and the metal curtain wall material is the best product. This product is widely used in modern architecture and decoration

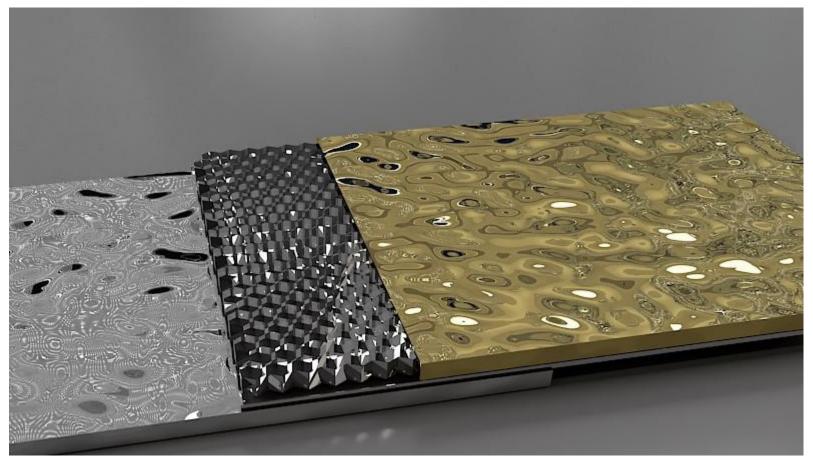
train, automobile and shipbuilding and other manufacturing industries. Wherein, PVDF color surface protective layer of stainless steel honeycomb panels against weathering, durability and chemical resistance with excellent color and other aspects of performance, it can be widely used in a v ariety of climates, from cold and dry to hot and humid Nordic equatorial zone c an be used.

CHARACTERISTICS

-Light -Good rigidity - Flat and straight - Good at wind-proof and pressing-proof - Fire-proof - Easy to process and shape -Good at weather-proof - Good at weather-proof - Good at sound and heat insulation -Good at shock-resistance - Green building material - Energy-saving and environmental protection

STRUCTURE





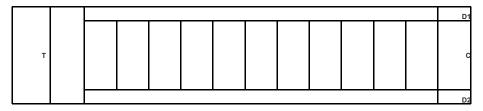


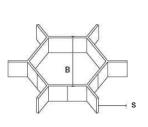
Excellent products

L SPECIFCATION

Stainless steel Honeycomb Panel

T - Total Thickness D1 - Thickness of al skin (front! D2 - Thickness of al skin (reverse! C - Honeycomb Core

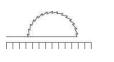




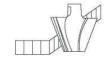
Core cell

B - Tcell Size S - Foil Thickness

Processing Methods



Cutting



Making slot





Use back bolt to join

Art patterm processing



Press edge into shape

Folding Types

Pressing and fold

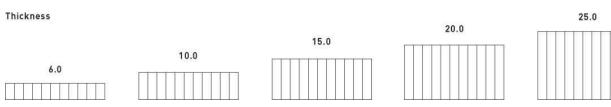
Standard Specifications

Length= within 10000mm

Width= 600-1600mm

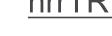
Thickness= 5.0mm 10mm 15mm 20mm 25mm

For special requirements beyond these standards and specifications, We can discuss and decide with customer.

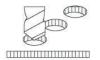


Thickness	Panel thickness	Backplane thickness D2(mm)	Weight	Hardness	Section modulus (m,
(mm)	D1(mm)		(kg/m)	(kn.m /m)	/m)
6.0	<u>1.0</u>	0.5	4.5	0.71	2.5
10.0	1.0		5.3	2.19	4.5
15.0	1.0	1.0	7.0	7.55	14.0
20.0	1.0	1.0	7.4		19.0
25.0	1.0	1.0	7.8	22.17	24.0









Drilling holes



Surface re-painting

V 1

Surface sticking film

Edge rounding



Surface silk screen printing

Word paste

nrrTR、 nrm







Objection handling procedure

This section provides you with the proof for handling argument, the most common criticism or objection.

Stainless steel integrated wall panel is too expensive

incorrect. When customers focus on competing products, they only consider the purchase price of the product itself. Stainless steel integrated wall panel provides steel frame and connectors which saves substrate material cost and save installation time and money. Furthermore it saves a lot difficulties to coordinate with substrate providing partners.

By providing the right technical advice, we can demonstrate differences in quality and performance, ease of installation, reduced maintenance requirements and longer service life, all of which make our honeycomb panels cheaper in the long run. Customers also appreciate our support expertise when they need them.

>by the seashore, the aluminum honeycomb will still get rusted

We have stainless steel honeycomb choice and they will never rust

>Stainless steel integrated wall panel can not replace copper panel for decorattion

Incorrect. Stainless steel honeycomb plate can imitate all copper surface, etching technology and engraving technology are very mature, automatic electroplating process can make all copper material surface. Real copper will rust and have a low service life. We decorated 8000 square copper look walls with Stainless steel integrated wall panel in XXX Hotel in New Zealand.

≯t is difficult to standardize Stainless steel integrated wall panel, which needs to be customized according to the requirements

Incorrect. Our Stainless steel integrated wall panels product series allow customers to choose from our defined standard series (supported by easy selection Guide) or give customized requirement. We can meet any specific requirements (based on standardization options).

Stainless steel integrated wall panel does not have a long application history

Incorrect. We have more than 20 years of Stainless steel integrated wall panel manufacturing technology and extensive installation and maintenance experience. Today, We have proven reliable solutions and more than 100 high-end building applications in many countries.

>Our wall has irregular shape and Stainless steel integrated wall panel can not meet the required application.

Incorrect. The minimum radian of Stainless steel integrated wall panel can reach 10 degrees, which can fit various arc walls; the angle degree is 90 degrees, and there is almost no gap between the two pieces; the maximum height of the panel can be 6meters.

We can also use stainless steel plate cladding to meet the requirement.

Incorrect, the stainless steel cladding plate is installed with wood substrate. The fireproof performance of the wood is not good, it is easy to be corroded with short lifetime.

The flatness of stainless steel cladding plate is poor, so it is difficult to improve the beautiful appearance of the wall

> Installation may encounter unknown difficulties

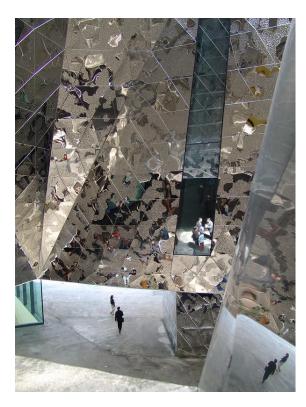
We will provide steel frame and complete set of accessories. There is only simple work of fastening screws according to the drawing. Very easy under our installation guidance.

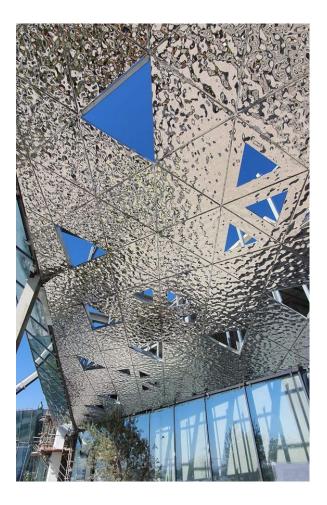


Product application

Ceiling and wall cladding

10-30mm thick Stainless steel integrated wall panel. Over 200 color and texture selections to meet the requirements of the ceiling and wall decoration.



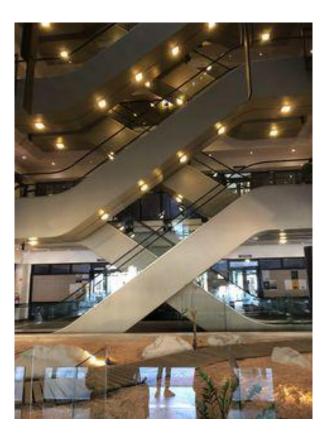


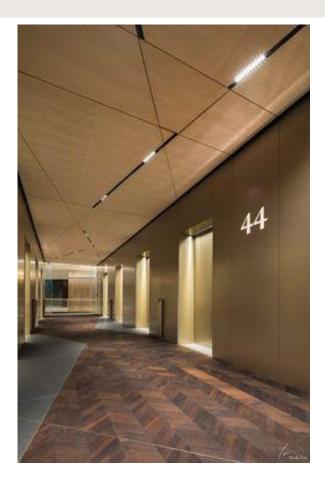
Facade decoration

10-30mm thick Stainless steel integrated wall panel. Over200 color and texture selections to meet the requirementsof the facade decoration.

Elevator outer facade and room door

10-30mm thick Stainless steel integrated wall panel. Over 200 color and texture selections to meet the requirements of the elevator facade decoration.





Escalator decoration

10-30mm thick Stainless steel integrated wall panel. Over 200 color and texture selections to meet the requirements of the escalator decoration.



Product application

hotel furniture

20-60mm thick Stainless steel integrated wall panel. Over 200 color and texture selections to meet the requirements of the ceiling and wall decoration.





Indoor decorations

210-40mm thick Stainless steel integrated wall panel.Over 200 color and texture selections to meet the requirements of the facade decoration.

bathroom partition and door

20-60mm thick Stainless steel integrated wall panel. Over 200 color and texture selections to meet the requirements of the elevator facade decoration.





Hotel room door

30-100mm thick Stainless steel integrated wall panel. Over 200 color and texture selections to meet the requirements of the escalator decoration.

Support toolbox

Our support toolbox is full of everything you need to impress you with our Stainless steel integrated wall panels. From online selection guides to various designer templates, you will find the information you need to help you successfully use our products.

Want more? Please contact Our international sales manager Stella to get the materials you need. stella@crzmetal.com

Simple and quick Today and tomorrow

Our fast installation philosophy focuses on providing you with competitive bidding support, helping you provide the best solution for your customers, helping them use environment friendly materials and reducing future maintenance and expenses.

Suitable tool for you



Support toolbox

Suitable tool for you

designer support program

application instruction

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free sample



- For designers to take photos and check materials.
- You can choose to include your logo on the material.

video demonstration

Animation demo loop

• Use on computer screen

• TV and mobile / or iPad.

• During the design Seminar and

procurement meeting, use it

engineering company and

customers to deepen the

Availability: Digital

when communicating with your

subordinates, and educate your

understanding of the solution

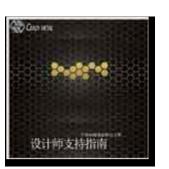
video demonstration





- Our website is committed to cooperation
- -Full of all the information you need, including links to our media website and training modules.
- The website of crazy metal is helpful to choose Stainless steel integrated wall panel and wall cladding system.

Availability: Digital



- Demonstrate all the features and unique advantages of our products, handle objections and provide parameters for successful sales.
- Comprehensive guide for you and the whole team.

Availability: Digital

Availability: Digital

• Our installation guide-

• Full of creative stainless steel

• You can choose to include your

logo and address in the manual.

honeycomb products and

innovations - in a handy brochure.

Availability: Digital



voutube

https://www.crzmetal.com



youtube.crazymetal



- It is used to show the details of product technology, structure and engineering solution.
- It is used to train customers and subordinates quickly.
- This helps reducing communication and making purchase decisions quickly.

Availability: Digital

Dear Partners,

We are very happy to share with you our specially developed designer support program, so that you can complete the design and decoration projects more easily and smoothly, so as to help you raise your reputation in the industry. Your design expertise together with our new materials makes us a successful combination.

linkedin : linkedin.com/company/crazy metal/

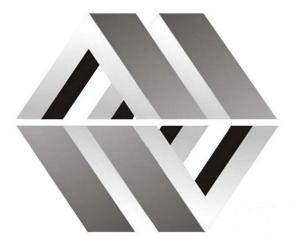
youtube : youtube.crazymetal

website: www.crzmetal.com

Contact Stella:

0086 18688779774 email: <u>stella@crzmetal.com</u> Skype: cmmiao@hotmail.com Wechat(Whatsapp): 8618688779774





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