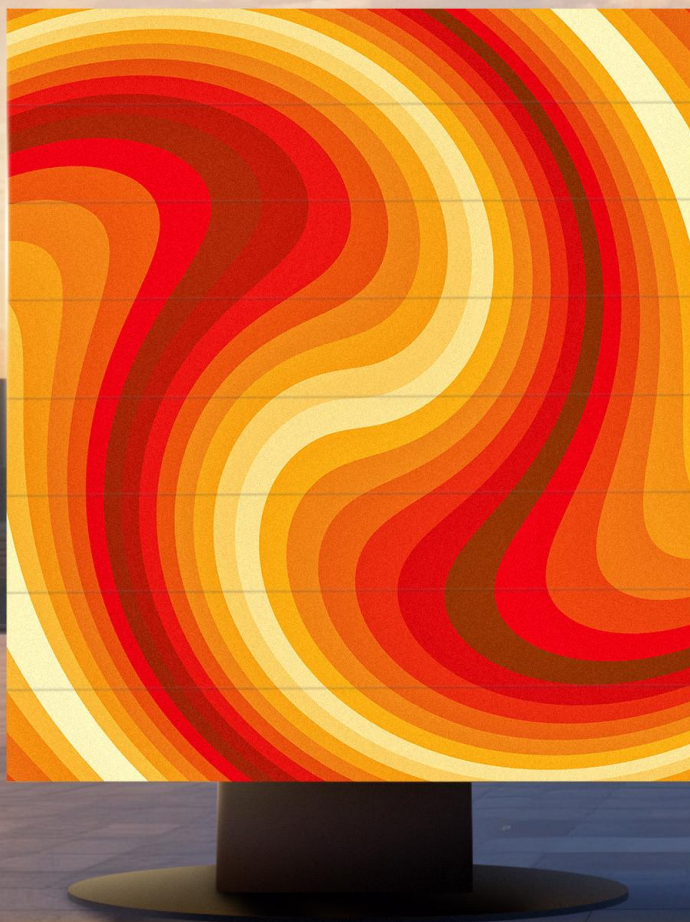SPECTRUM
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Rotating Matrix Screen

LED Display Series

Triangular wingspan rotating matrix LED Display

- Innovative delta wing rotary unit design.

- 3 display faces per stackable, block-like layer unfold into a large screen.

- Enables independent rotation and inter-layer linkage.

- Features easy operation, customizable size, and stable runtime for flexible visuals.
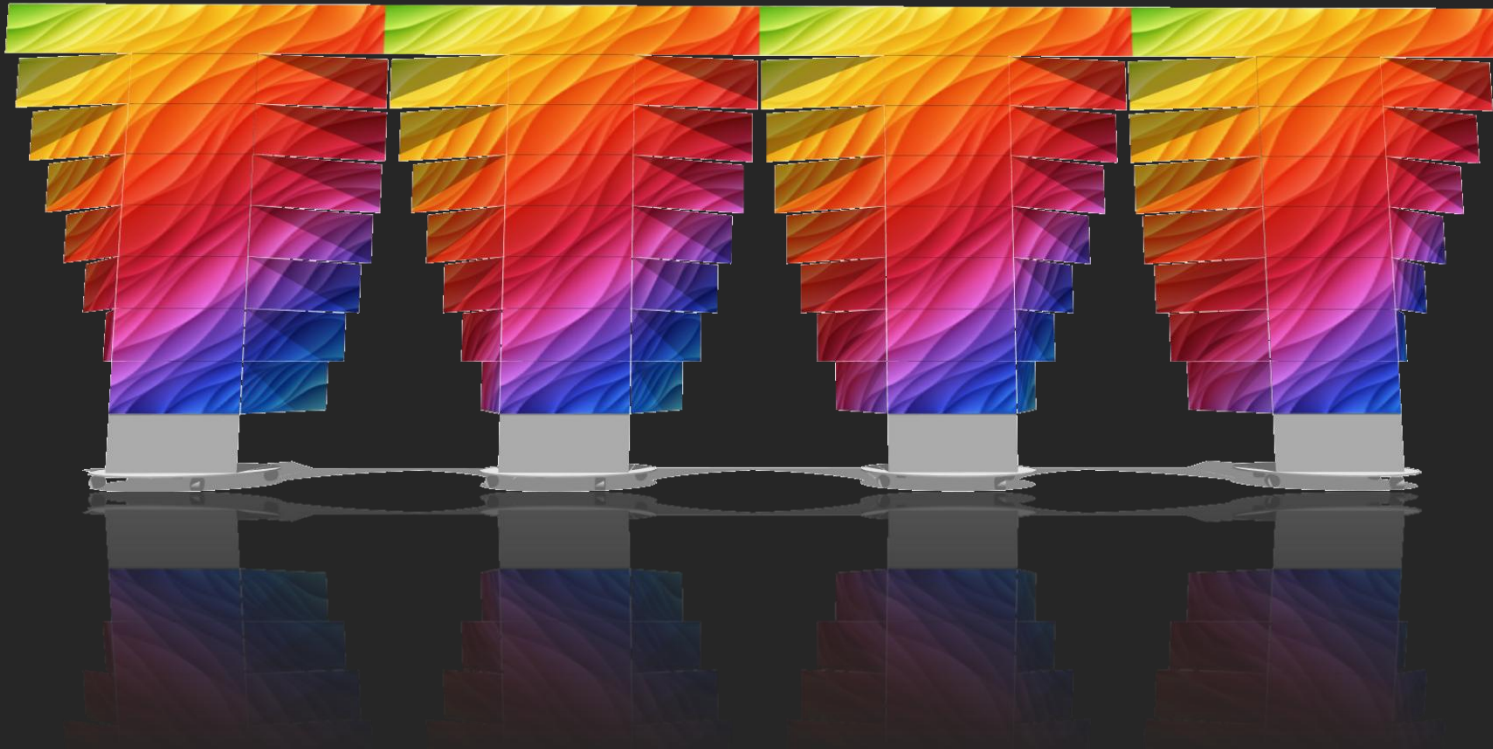
Rotating matrix Display

- Unique Arc-shaped design presents a curved effect, breaking through traditional squareness for a smoother visual appearance.

- Supports block stacking and independent rotary linkage, with intelligent control for rhythmic dynamic images.

- Creates a differentiated visual focus for the display scene.

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Arc-shaped rotating matrix Display

- A display carrier is made by stacking and combining multiple rotating units.

- The display carrier can be combined with other display carriers.

- It can create a series of cool movements like opening and closing, spiraling, swinging, and overall rotation based on the desired effect.

Specification Parameters
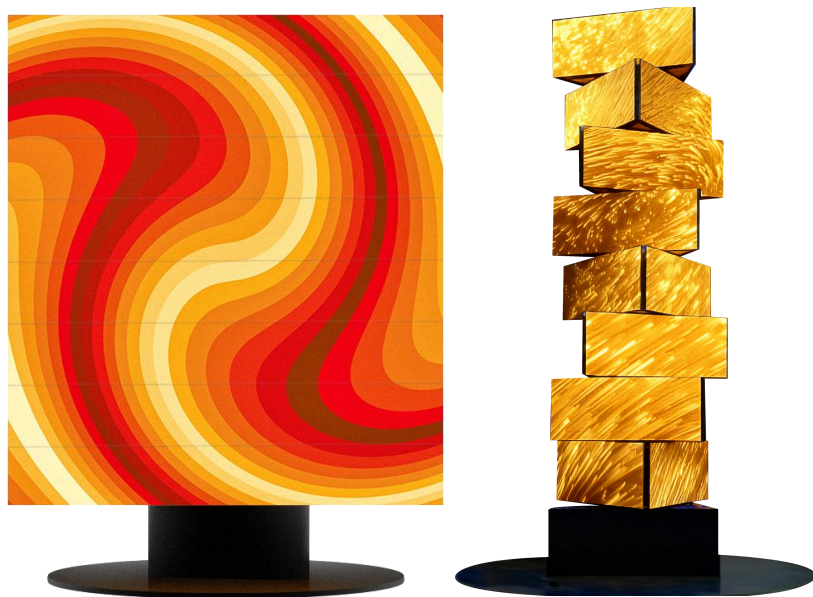
Triangular wingspan rotating matrix LED Display

Model	Indoor P2 LED screen
Pitch	P2 (optional)
LED Module Dimension	320mm×160mm
Gap between Units	2mm
Display surface	3
Display layer number	8
Single-layer display surface size	800×320
External dimensions	Closed state: Triangle side length 800mm, height 3099mm Expanded state: The triangle is 2400mm long, and 3099mm high The gap between layers is 5mm
Display the total area	2400*2560
Equipment height	3099mm (8 layers including base)
Net weight of the equipment	screen 460 KG/base350 KG
Gross weight of the equipment	screen 640 KG/base 445 KG
Angle of rotation	360°
Sports mode	Automation
Power Supply	AC 110 ～ 240V 50/60HZ
peak power	6.5KW
Call protocol	UDP command control is available
Control class items	Network control based on TCP/IP protocol
Running speed	control program
Heat Dissipation	Network cable

Specification Parameters

Arc-shaped rotating matrix LED Display

Model	6-layer arc-shaped rotating screen	10-layer arc-shaped rotating screen	11-layer arc-shaped rotating screen
Pitch	P2(optional)		
LED Module Dimension	320mm×160mm (Flexible module)		
Gap between Units	2mm		
Display surface	Double-sided display (wide-angle curved surface)		
Display layer number	6（customizable）	10（customizable）	11（customizable）
Single-layer display surface size	1280*320	1280*320	1600*320
Display the total area	2560*1920	2560*3200	1600*3520
Equipment height	2298mm(Including the base)	3600mm(Including the base)	4050mm(Including the base)
Gross weight of the equipment	screen 370KG/base 270KG	screen 614KG/base 319KG	screen 630KG/base 360KG
External dimensions	1405*280*2298	1405*280*3600	1680*280*4050
	The gap between layers is approximately 2mm		
Angle of rotation	360°		
Sports mode	Automation		
Call protocol	UDP command control is available		
Power Supply	AC 110 ～ 240V 50/60HZ		
peak power	4.5KW	7.5KW	10.5KW
Control class items	Network control based on TCP/IP protocol		
Running speed	control program		
Network	Network cable		

Specification Parameters

Rotating matrix Display

Model	Indoor P1.875 LED screen	Indoor P1.953 LED screen(optional)
Pitch	1.875mm	1.953mm
LED Module Dimension	240mm×240mm	250mm×250mm
Display surface	Single-sided	
Display layer number	10layers (customizable number of layers)	
Single-layer display surface size	750*250	720*240
Display the total area	Single-sided 720*2400 Double-sided1440*2400	Single-sided 750*2500 Double-sided1500*2500
Equipment height	2720mm(Including the base)	2830mm(Including the base)
Gross weight of the equipment	screen 249KG/base 115KG	screen 265KG/base 161KG
External dimensions	724*138*2720	754*138*2720
	The gap between layers is approximately 2mm	
Angle of rotation	360°	
Sports mode	Automation	
Call protocol	UDP command control is available	
Power Supply	AC 110～240V 50/60HZ	
peak power	3.5KW	3.5KW
Control class items	Network control based on TCP/IP protocol	
Running speed	control program	
Network	Network cable	

Specification Parameters

Rotating matrix Display

Model	Indoor P2 LED screen (optional)			
Pitch	2mm			
LED Module Dimension	320mm×160mm			
Display surface	Single-sided/double-sided display			
Display layer number	8layers (customizable number of layers)		10layers (customizable number of layers)	
Single-layer display surface size	480*320	640*320	800*320	960*320
Display the total area	Single-sided480*3200 Double-sided960*3200	Single-sided 640*3200 Double-sided1280*3200	Single-sided 800*3200 Double-sided1600*3200	Single-sided 960*3200 Double-sided1920*3200
Equipment height	2864mm(Including the base)		3515mm(Including the base)	
Gross weight of the equipment	screen 216KG/base 80KG	screen 235KG/base 93KG	screen 315KG/base 136KG	screen 345KG/base 175KG
External dimensions	480*160*2864	644*160*2864	804*160*3515	964*160*3515
	The gap between layers is approximately 2mm			
Angle of rotation	360°			
Sports mode	Automation			
Call protocol	UDP command control is available			
Power Supply	AC 110～240V 50/60HZ			
peak power	2.8KW	2.8KW	3.5KW on one side 5.5KW on both sides	3.5KW on one side 5.5KW on both sides
Control class items	Network control based on TCP/IP protocol			
Running speed	control program			
Network	Network cable			

Rotating LED Screen

Modular design

Adopts modular design, each module consists of multiple sliding display units, easy to install, simple maintenance, the whole module can be disassembled and replaced, or a single unit can be disassembled and replaced.

Control system

Support customized acceleration and deceleration, acceleration and deceleration time to reduce the impact on the device itself and at the same time, make the movement softer.

Rotating LED Screen
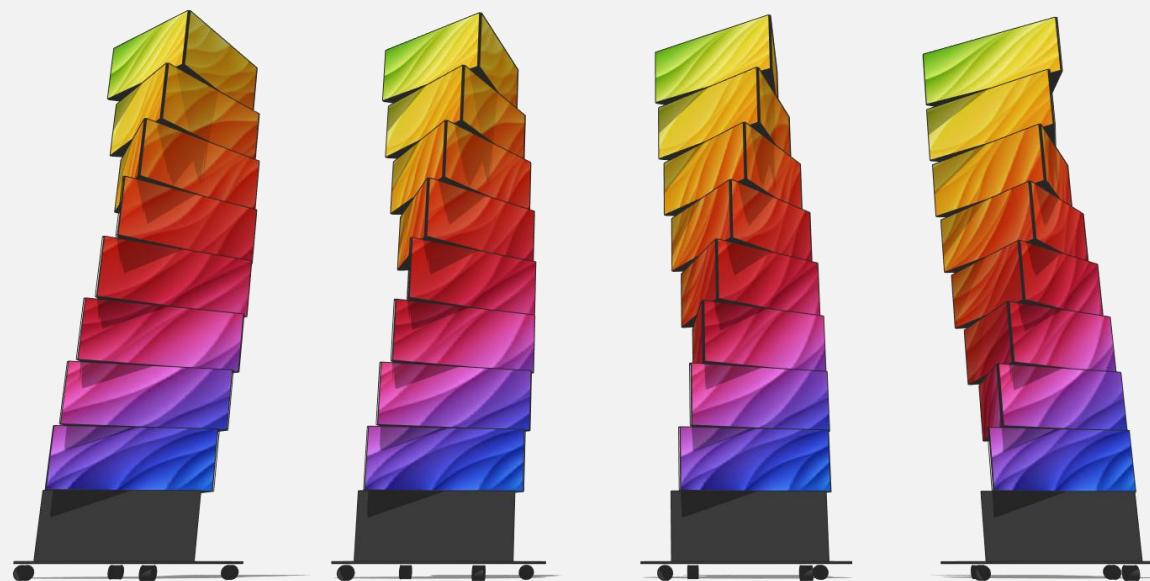
Modular unit combinations

Each independent delta wing rotating unit is like an intelligent "pixel" with precise structural design and independent rotary drive capability.

Single-integrated Carrier (SIC)

Multiple units can be precisely stacked and combined to form a complete and solid large display carrier.

Multi-level carrier linkage

The "modularity of the module" design, which allows for flexible combinations between multiple display carriers, realizes an unprecedented combination of large dimensions, high degrees of freedom, and complex movements.

Removable activity display screen

Activity base

Rotating LED Screen
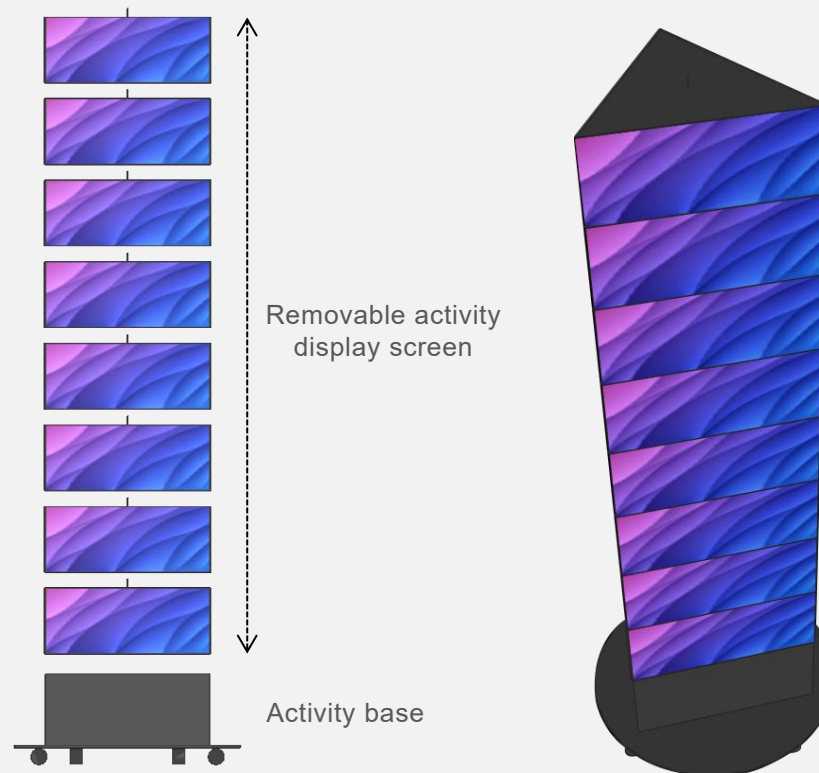
Intelligent Drive
### Hundreds of Dancing Styles

Relying on a powerful intelligent control system, these multi-layered display carriers are able to perform a breathtaking mechanical rhythmic aesthetics.

The Rhythm of
Opening and Closing

Like a flower blooming or a feather spreading, the screen unfolds or closes in an orderly manner, revealing the core content or creating grandeur.

Spiral Mirage

Screen units or display carriers exhibit elegant or dynamic spiral movements along specific axes, creating deep visual vortices.

Kinetic Rotating Display
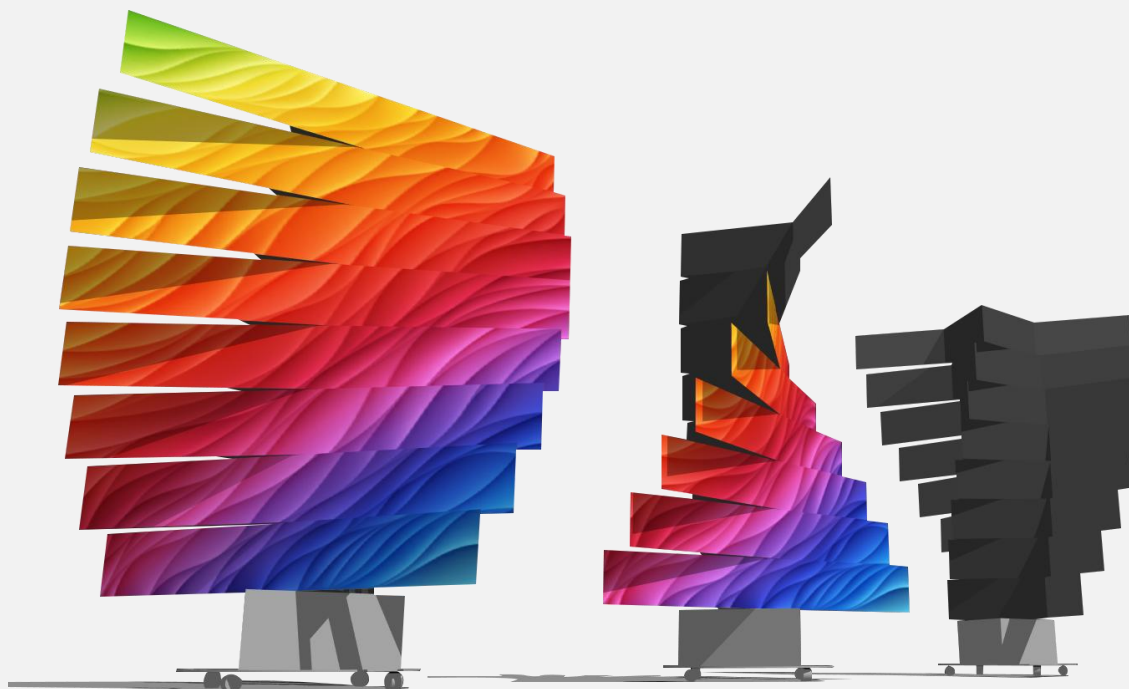
360° Full Rotation

The 360° rotation function of LED display provides users with flexibility and diverse display options. Whether in commercial venues, conference halls, stage performances or other scenarios, the 360° rotation of LED displays can provide audiences with a richer and more engaging visual experience.

Artistic styling

Spectrum double-sided rotating LED screen breaks through the limitations of traditional display devices and leads the new trend with innovative design techniques.

Kinetic Rotating Display

Diverse Application Scenarios

Compared with traditional LED screens, Spectrum double-sided rotating LED screens are more flexible and versatile, suitable for various occasions, and provide more creative display methods for commercial areas, food courts, event displays, etc.

Vivid visual effects

The introduction of the Spectrum double-sided rotating LED screen system not only redefines the possibilities for new media, but also creates a more colorful and vivid visual enjoyment for users. Innovations in design, technology and application scenarios make it unique in the field of LED display, helping users display excellent creativity and advertising effects.

Kinetic Transformer Display

Easy transportation worry-free deployment

With the innovative telescopic design, the product size is greatly reduced, making transportation more flexible. The lift and fold technology makes the product more stable during transportation and effectively prevents damage caused by collision.

Ultra-thin HD

The high-definition display capability of LED displays presents viewers with clear, detailed and realistic images and video content. Whether in indoor or outdoor environments, LED displays are able to provide a superior visual experience and are widely used in advertising, performances, sporting events, conferences and other fields.
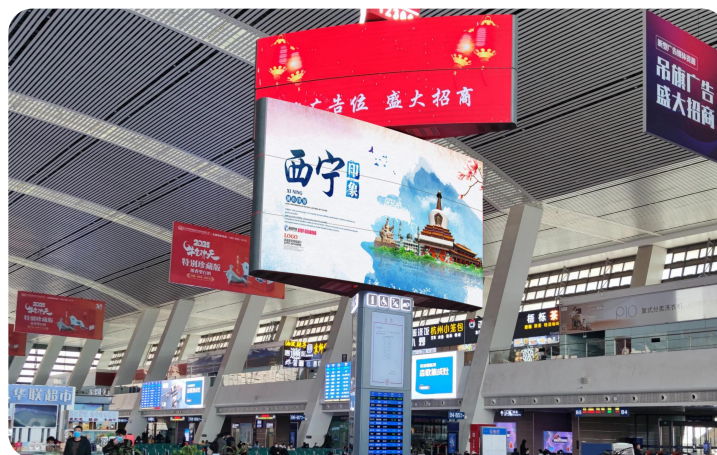
Application Scenarios
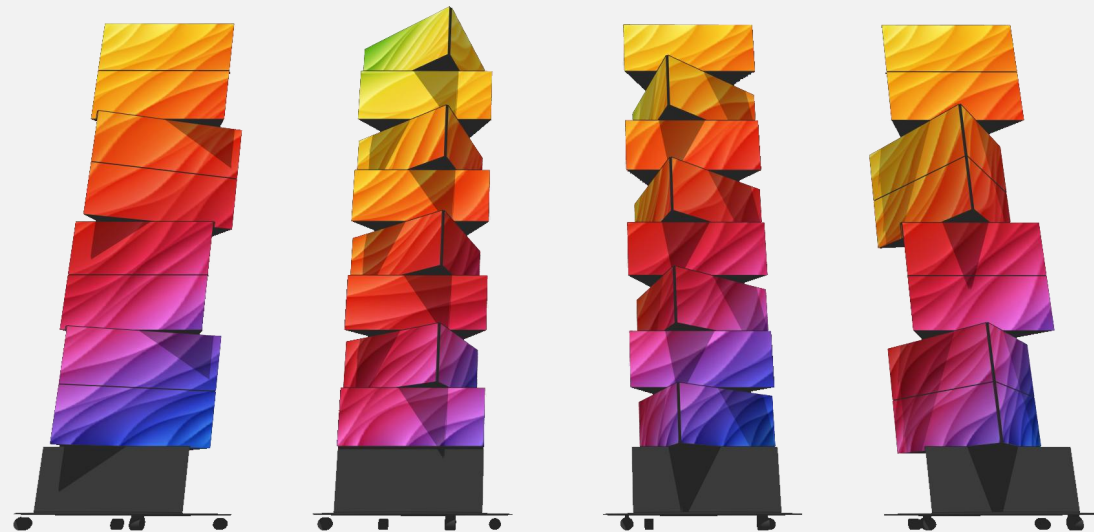
Advertising

Exhibition Hall

Shopping Mall

Public Square

Railway Station

Sport Promotion

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Spectrum Factory Strength

Advanced Equipment
Spectrum's LED production line is equipped with the latest and most advanced automatic machines and well-equipped devices.

Production Capacity
The production line supports a monthly capacity of 2000 square meters.
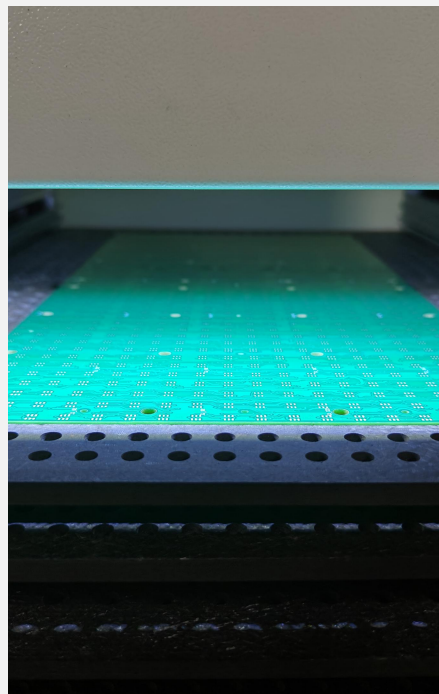
Year-Round Inventory
We maintain inventory throughout the year to ensure short delivery times.

Quick Delivery
This ensures that products reach customers as quickly as possible.

Strong Manufacturing Capacity
The factory can manufacture at least ten thousand soft modules per month.
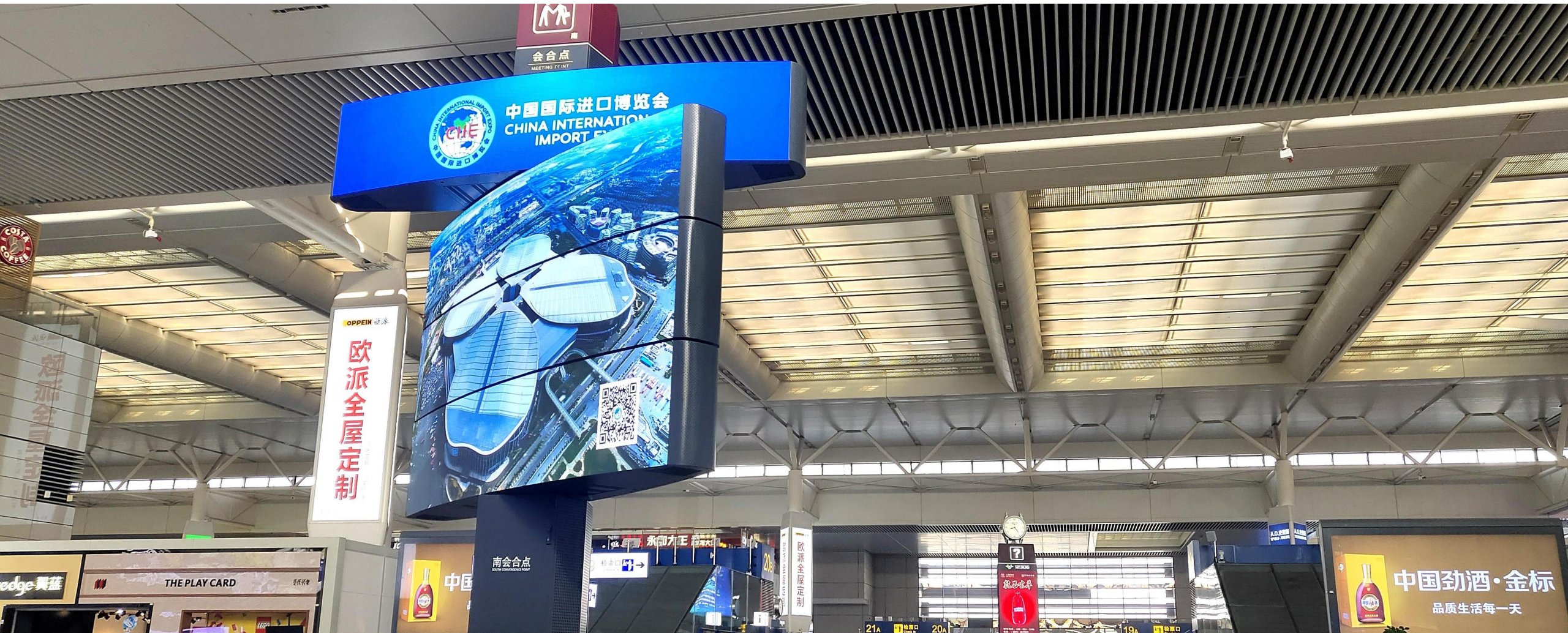
Automated Production Line

QC Workflow

On-Site Installation

SPECTRUM
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Indoor
Hangzhou, China

Indoor
Exhibition Display-Indoor 66m²