

Richpeace Auto Sewing System

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 - ✓ Cut Panel → Sew Pattern
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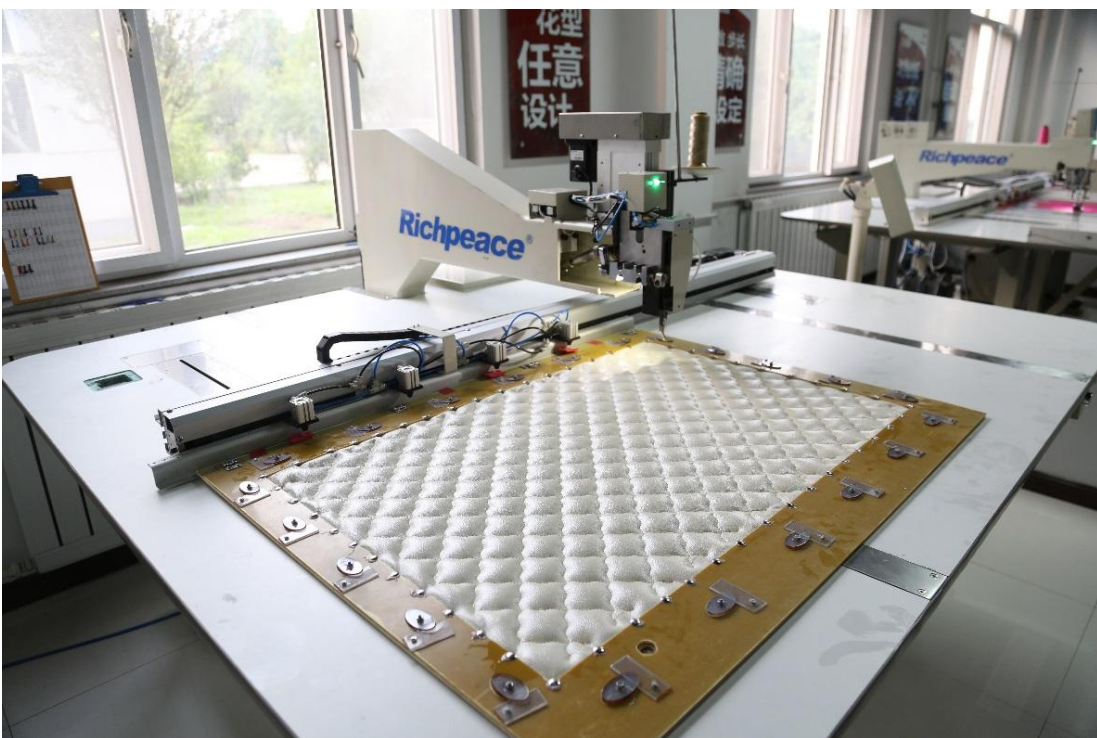


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Sew Pattern → Cut Panel

Max. sewing area: 1200*800mm

Inside this area, free to sew any design, then cut into different size panels for next step.

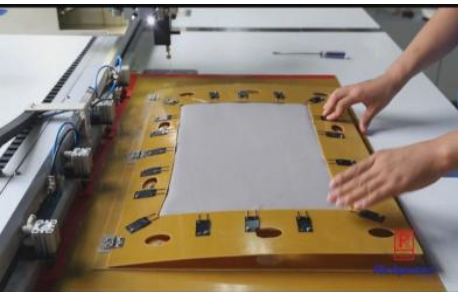


Cut Panel → Sew Pattern

Firstly cut material into different size panel, then use template to clamp pre-cutted panels directly, finally sew pattern.

Example: Honeycomb

- 1 Use template to clamp material.
- 2 Put template on machine.
- 3 Machine drive template to sew.



1 head working video: <https://www.youtube.com/watch?v=cIE0-3BeaQM>

Name	Panel size MM	Stitch No.	Step Length MM	Sewing Speed	Sewing Time
Honeycomb	450*315	2346	4	1000RPM	3m25s

Hourly output:

1 head machine: 17 panels.

2 heads machine: 34 panels.

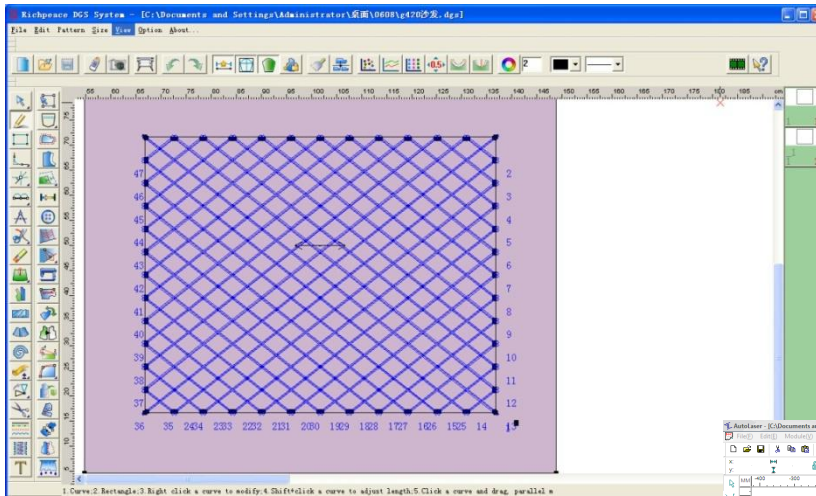
Here calculate the template change time 10s, no considering bobbin change time.

AutoSew CAD Software

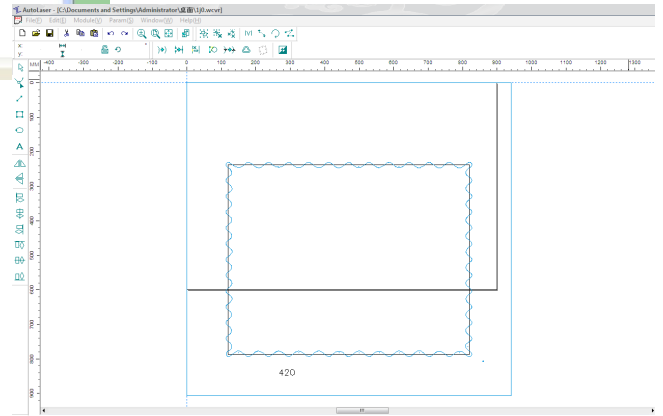
Richpeace already has Garment CAD Design Software, can design, grading and mark pattern, to equip with auto sewing system, we add some new function:

- 1 Customer can use this software to design pattern and make template file.
- 2 Or our software can import .DXF or .PLT format pattern, create template based on this pattern, set sewing sequence, set origin position, define the place to cut or engrave, etc, then save to template cutting file and stitch file.

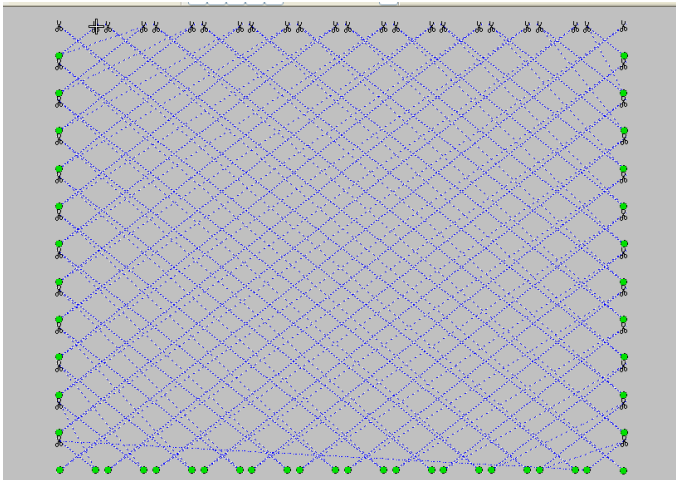
No need to learn design pattern again, we can use your current pattern, then create template.



Save to template cutting file.



Save to sewing stitch file.



Make template

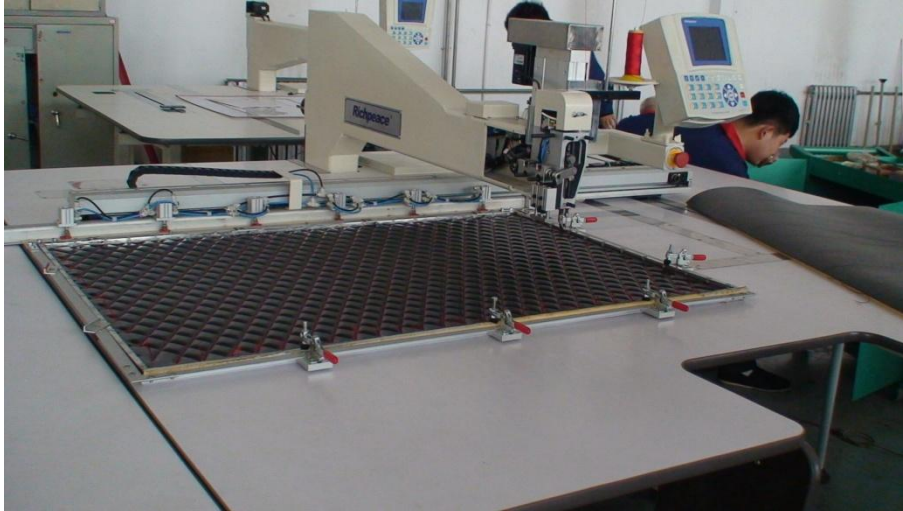
PVC board/Insulating Board/Aluminum frame



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According to different kind material and working process, use different kind template.

- ◆ Aluminum frame: max. working area 1500*1000mm, inside this area, free to sew any design, then cut into different size panel.



- ◆ Insulating board: use cutter to cut this kind board according to design, can be small or big.



- ◆ PVC board: use template cutter to cut this board according to design, can be small or big.

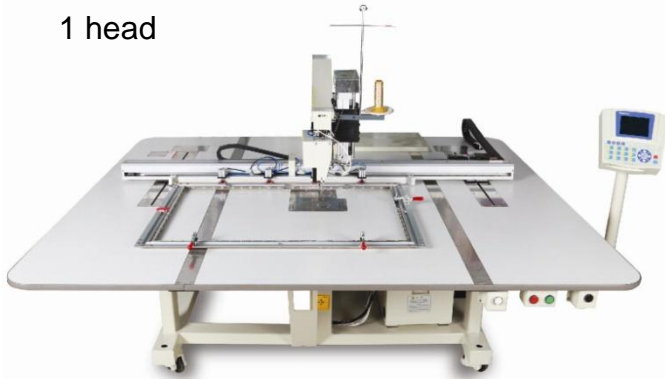


Auto Sewing Machine



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1 head



2 heads



Advantages

- Multi-heads sewing machine, Unique all over the world, all head work at the same time, greatly improve working efficiency.
- Single head has auto lifting head, max. lifting 50mm, no limit to template.



- No limit on design anymore, max. 1200*800mm sewing area.
- Anyone can operate this machine, no need to depend on skillful tailor anymore, no more labor headache, less labor cost.
- Clutch lock head system, able to lock any head at any time, like 2 heads machine, able to lock any head, leave only 1 head working.
- Richpeace own electric control system.
- Auto trimming function, no need to cut thread by hand.
- Pattern repeat function, set sequence of 4 patterns, machine will automatically repeat this sequence.
- Excellent angle effect, any point is sharp.

Auto Sewing Machine

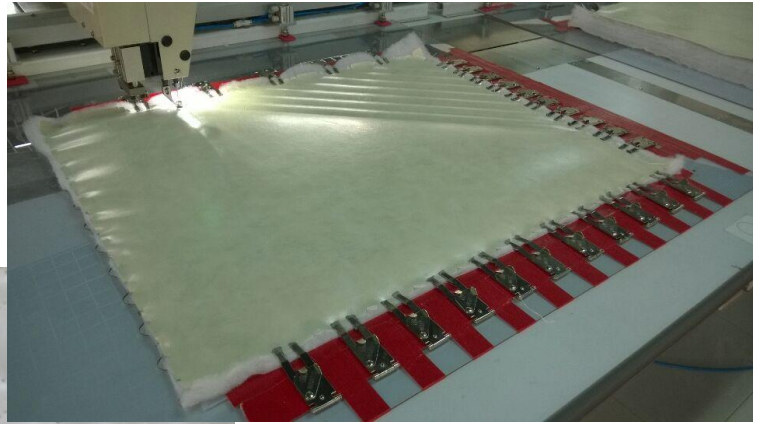


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Electric control system

- 5" keypad screen, English language, convenient to operate.
- Thread breakage detection function.
- Return to stop point to continue sewing.
- Intelligent speed down when comes to corner.
- Intelligent position function, template back to starting point automatically once set the position.
- Bottom thread counting function.
- Schneider / Delta servo motor for both main shaft and X-Y frame driving system.

**Inside this area, free to sew
any design, no limit.**

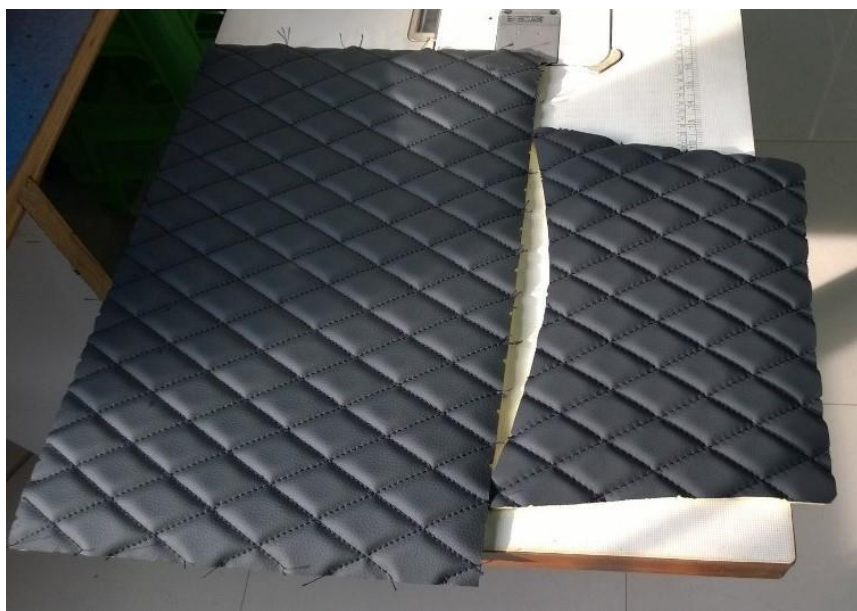
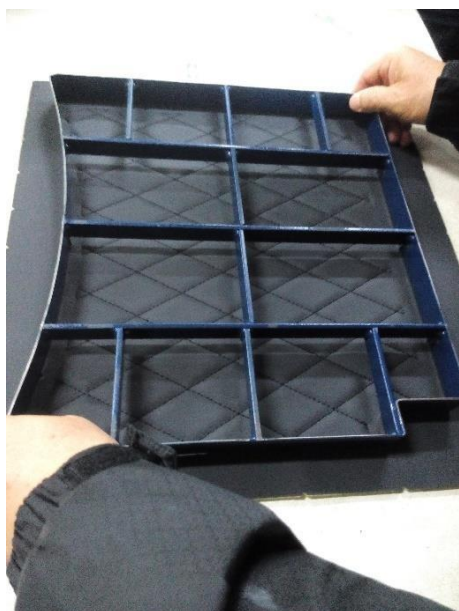
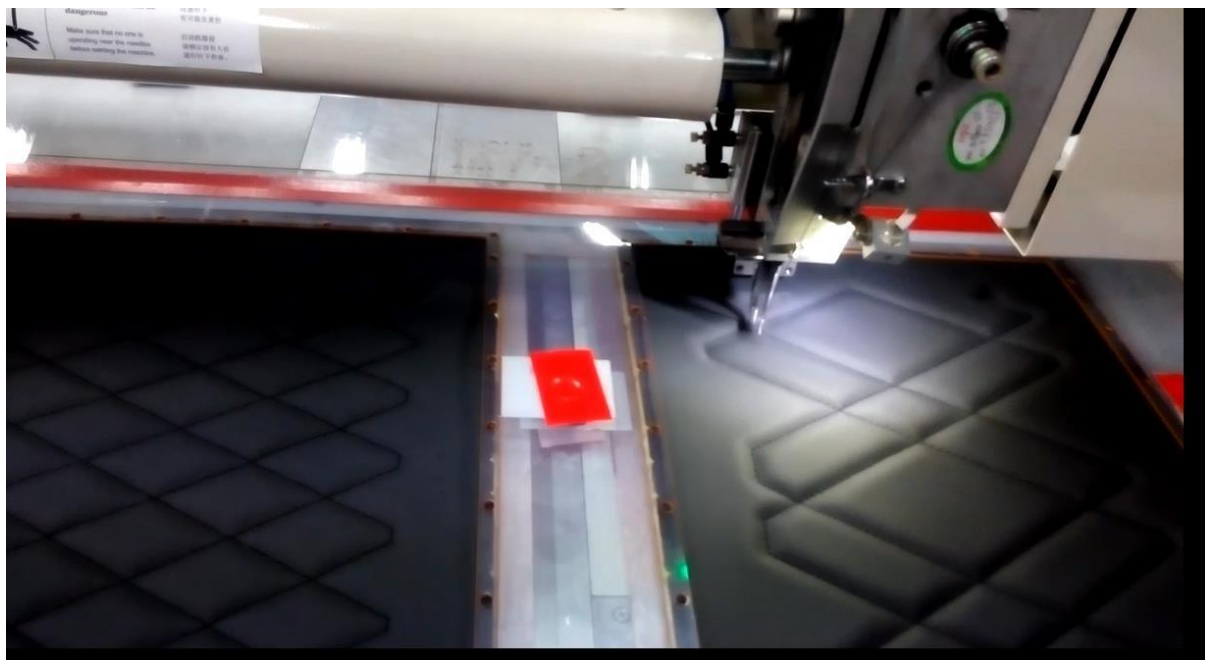


Client Application Case



UNI AUTO
PARTS MANUFACTURE CO.,LTD.

- Taiwan_Seat Sewing for Japan, Taiwan car brand



Client Application Case



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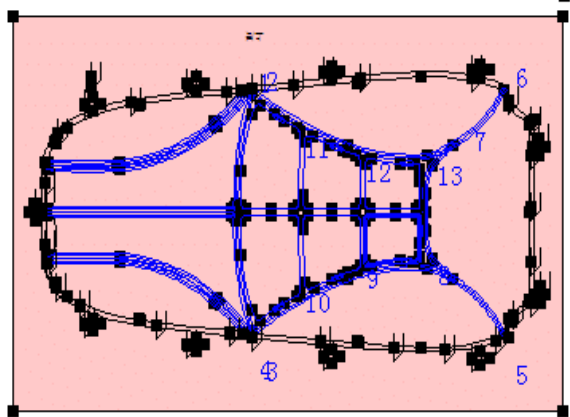
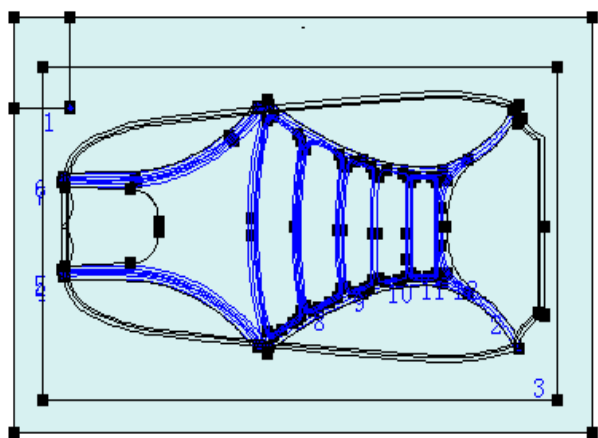
- ESS-MA AB Finland



Client Application Case



Whole piece of leather seat designs

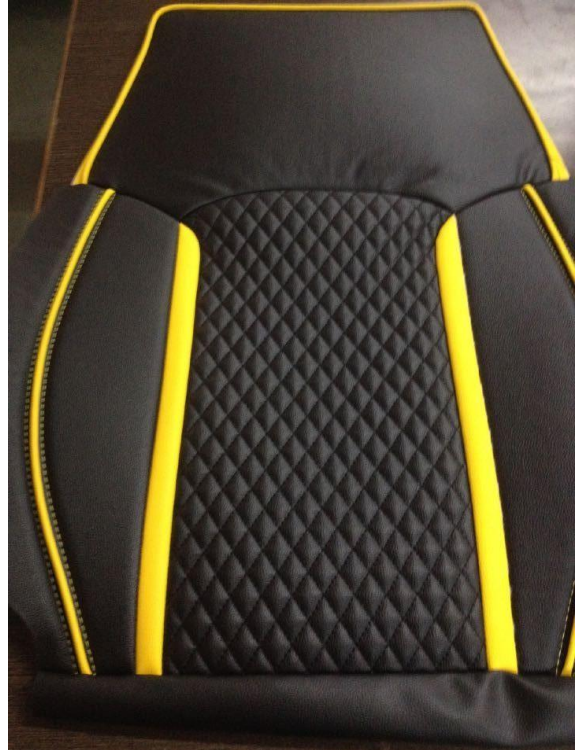


Client Application Case



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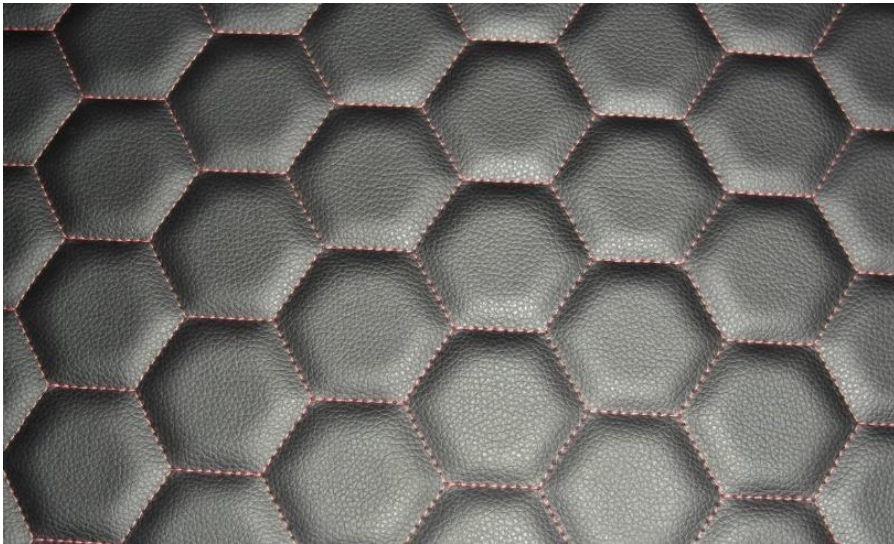
- AUTO APN_India_for Japan and India Car brands



Samples



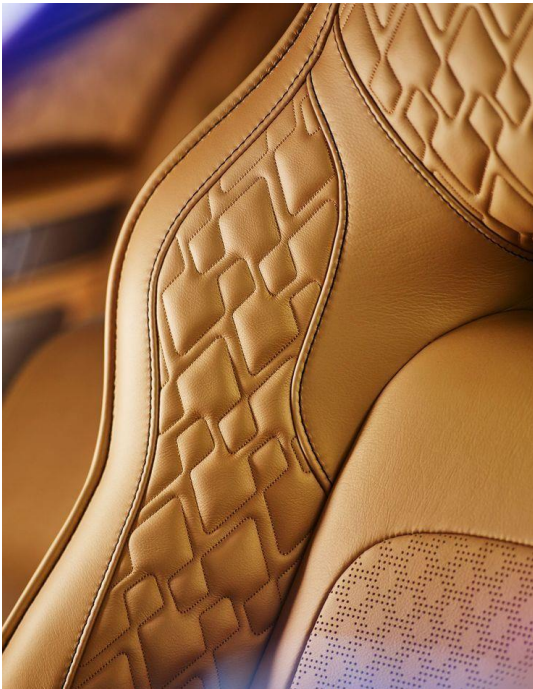
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Samples



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Factory Views



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