

million hole table

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VEITH MATCHING SYSTEM

A complete process

trained and implemented by application specialists

measuring the fabric parameters

- total fabric width
- usable fabric width
- repeat of the fabric
- angle of the stripes
- rating of fabric tension and fabric quality

VEITH PinIT software

- registering the before measured parameters
- calculating the correct repeat for marker making
- calculating frame parameters in order to make marker making for fabrics with slanted stripes possible
- fullness function in order to influence the

Marker making / AccuMark

- planning the marker according to the repeat and angle of the fabric stripes, which will help to **reduce the fabric consumption by 6-10% (-12%+)**
- exporting the marker to PinIT

VEITH PinIT software

perfect and easy work preparation

- importing the marker
- linking the marker information with the repeat value
- planning the precise needle bar positions in a convenient interactive way, thus making sure the fabric will be pinned where it is important for the quality of the garment and where it will be easy for the operators, i.e. spreading becomes fast
- printed report showing all important

information for setting up the VEITH Pin Table

- fabric parameters
- marker reference
- needle bar positions
- values describing the spreading area
- marker with needle bar positions

VEITH SYSTEM PinIT

Marker: 3344-W-A
 Roll #: shu-3344
 Fabric #: 3344-W-A
 Information: 3344-W-A

Marker	Length net: 206,641 cm	Fabric	Offset Info: 7,573 cm
	Width: 107 cm		Field Repeat:
	Reference Line: 153,914 cm		Stripe Repeat: [6]
	Start Allowance: 1 cm		Center Offset:
	Length total: 206,641 cm		Sym. Offset:
	End of Marker: 1 -> 6,2 cm		
	N.B. Shift Value:		
	Inclination: 2,6°		
	Planned for: SMT		

Pin-Table

Origin Offset: 10,9 cm ← |

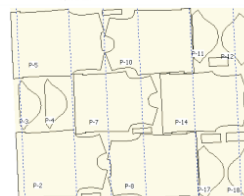
Needle Bar	Planned Pos	Position of Needle-Bar Matching	Remarks
1	8,1 cm	10,9 cm	
2	46,56 cm	48,8 cm	[5]
3	91,59 cm	94,3 cm	[6]
4	123,80 cm	124,6 cm	[4]
5	153,91 cm	154,9 cm	[4]
6	186,15 cm	200,4 cm	[6]

End of Marker: 1 -> 6,2 cm

Fabric

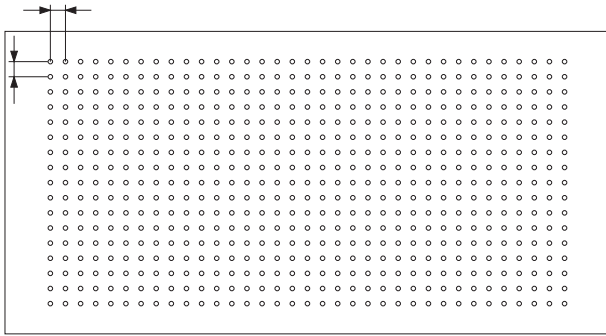
Roll #: Fabric #: Plaid Repeat: Offset - Info

shu-3344 7,573 cm



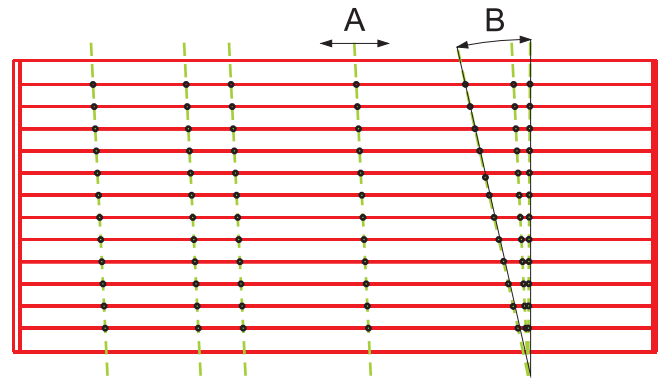
VEITH SYSTEM

million hole table



- table top with a grid of holes, typical grid size 2x2 cm
- lose pins can be put in any hole
 - > no systematic way of working,
 - > pins get lost
- perpendicular grid
 - > no following of the repeat possible
- perpendicular grid
 - > no following of slanted stripes possible
- >> spreading fabric typical under tension**
- pins with sharp tip
 - > damaging to the fabric, therefore need to be put in waste area
- use only required pins
 - > use only minimum amount of needles
- ?
- no air flotation
 - > table is blocked for spreading during cutting, less capacity

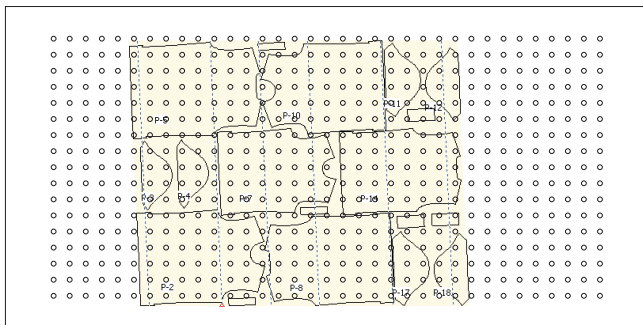
VEITH MATCHING SYSTEM



- slotted table top
- pins arranged along a line = needle bar
 - > follow the stripe of the fabric and make it straight
- needle bars can be moved lengthwise at any position (A)
 - > follow the repeat of the stripes
- needle bars can be turned up to 12 ° (B)
 - > follow the angle of the stripes
- >> tension free spreading giving the fabric its natural dimension**
- pins with rounded tip
 - > avoid damage to the fabric
- pins can be switched on and of
 - > use only minimum amount of needles
- 3 different pin diameter available
 - > use the pin with the maximum stability but not damaging the fabric
- air flotation
 - > easy moving of the ready lay package table cleared for next lay package i.e. higher capacity

VEITH SYSTEM

million hole table

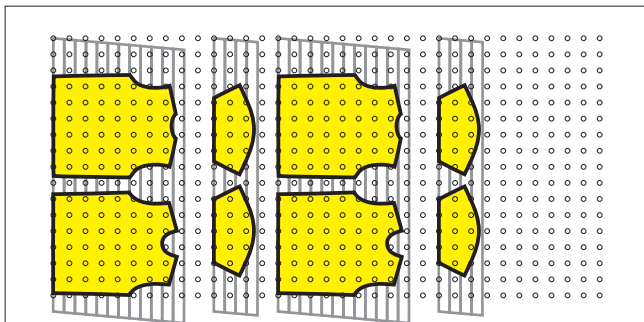


a perpendicular grid, does not match with the requirements of knitted fabric, where the stripes are at an oblique angle

therefore it is not possible to spread knitted fabric on a million hole table, when the fabric shall be cut according to a marker later.

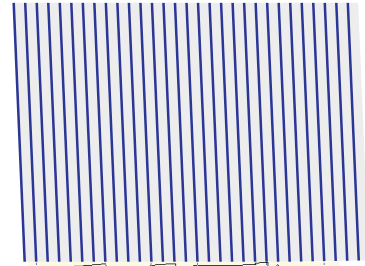
This kind of system is sometimes used for relaying fabric, which has been cut before in panels, but a panel system typically uses more fabric.

But where is the advantage then and where to get a ROI from?

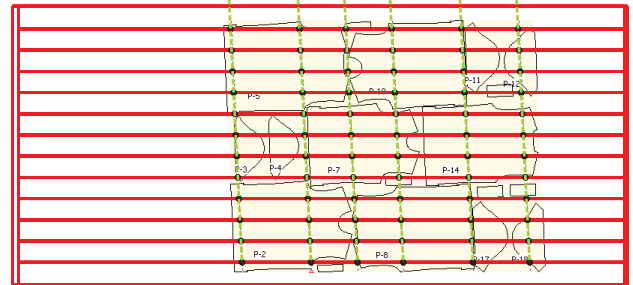
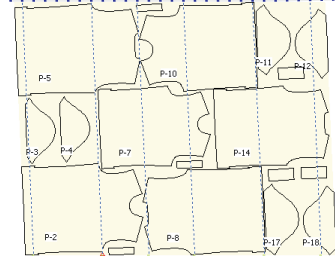


VEITH MATCHING SYSTEM

fabric



marker



- the marker will be planned according to the stripe repeat and slanting angel
- the VEITH Pin Table will be set up according to the stripe repeat and the slanting angel and the parts logic of the marker
- this synchronization of the stripe parameters of the fabric, with the marker and with the position of the pins is organized by the VEITH PinIT software

- >>> organized process
- >>> better quality
- >>> saving labor time
- >>> saving fabric
- >>> fast ROI