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Mitsubishi + System 3R tooling

Ledger for Reference elements and 3Rulers

This ledger is only to guide suitable length of reference elements and 3Ruler for specific machine model. Contents for 3Rulers and/or reference elements, see also TPS-sheets covering the range of 3R-200.yyJ-x, 3R-239-xxx and accessories.

Mitsubishi

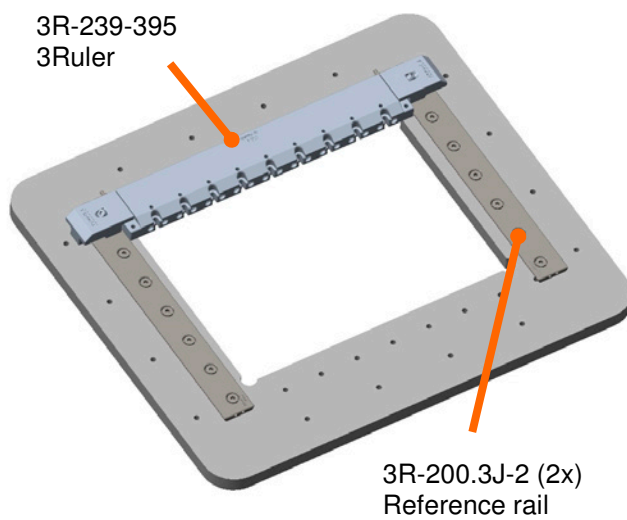| Model	Tooling configuration for X-axis		Tooling configuration for Y-axis			
	Ref. element	3R-239-xxx	Ref. element	3R-239-xxx	MIC-xxxx	
FA10-S Advance	3R-200.3J-2	395	3R-200.47J-2	295	2843	Page: 3
FA20-S Advance	3R-200.47J-2	545	3R-200.5J-2	395	2844	Page: 4
FA30-S Advance	3R-200.5J-2	795.86	3R-200.39J-2	545	2845	Page: 5
FA40-S Advance	3R-200.47J-2 + 3R-200.4J-2	1045**	3R-200.47J-2 + 3R-200.4J-2	N.a.	2846	Page: 6
FA50-S Advance	3R-200.39J-2 + 3R-200.3J-2	1355****	3R-200.39J-2	N.a.	2847	Page: 7
MP1200	3R-200.39J-2	445	3R-200.47J-2	345	2848	Page: 8
MP2400	3R-200.47J-2	645.86	3R-200.39J-2 + 3R-200.3J-2	445	2849	Page: 9
MV1200R	3R-200.39J-2	445	3R-200.47J-2	345	2848	Page: 8
MV1200S	3R-200.3J-2	445	3R-200.4J-1	N.a.	2850	Page: 10
MV2400R / R Z+	3R-200.47J-2	645.86	3R-200.39J-2 + 3R-200.3J-2	445	2849	Page: 9
MV2400S	3R-200.47J-2	645.86	3R-200.3J-2	N.a.	2851	Page: 11
MV2400S Z+	3R-200.47J-2	645.86	3R-200.39J-2 + 3R-200.3J-2	445	2849	Page: 9
MV4800R	3R-200.3J-2	845.86	3R-200.39J-2	645.86	2931	Page: 12
MV4800S	3R-200.3J-2	845.86	3R-200.39J-2	645.86	2852	Page: 13
MX600	3R-200.29J-2	345	3R-200.3J-2	N.a.	2853	Page: 14
MX900	3R-200.3J-2	345	3R-200.3J-2	345	2921	Page: 15

** 3Ruler is supplied by article no.: D-30248
**** 3Ruler is supplied by article no.: D-30249

System 3R

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MIC – Machine Interface Configuration

November 15, 2018

Subject to modifications
MIC-2843

Mitsubishi – FA10-S
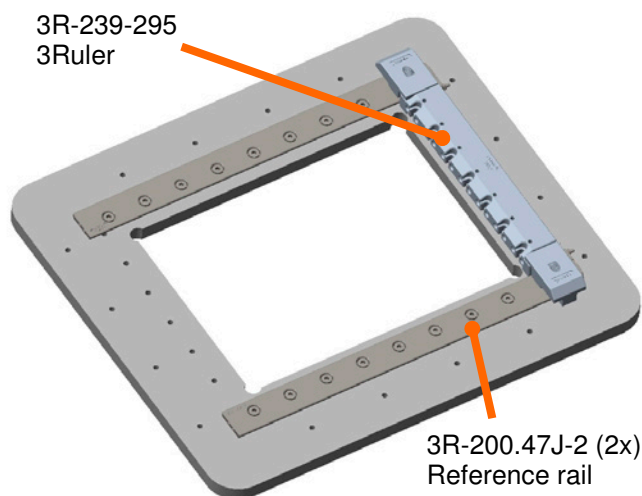
3R-239-395
3Ruler

3R-200.3J-2 (2x)
Reference rail

Machine table without tooling
Working area:
    X: 350 mm
    Y: 250 mm

Horizontal configuration
This configuration display one 3Ruler,
but two cross bars may be used.

Working area:
    X: 350 mm
    Y: 237 mm

3R-239-295
3Ruler

3R-200.47J-2 (2x)
Reference rail

Vertical configuration
This configuration display one 3Ruler,
but two cross bars may be used.

Working area:
    X: 350 mm
    Y: 250 mm

See also TPS-sheet "3R-239-xxx" covering
3Ruler and recommended accessories.

Note: The reference rail also enables the
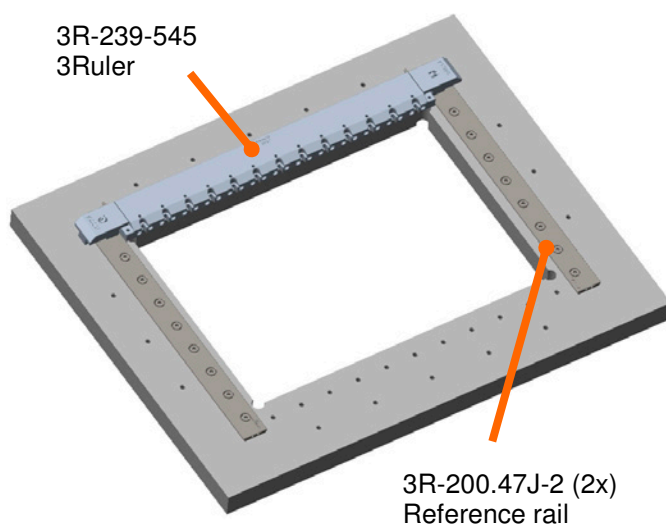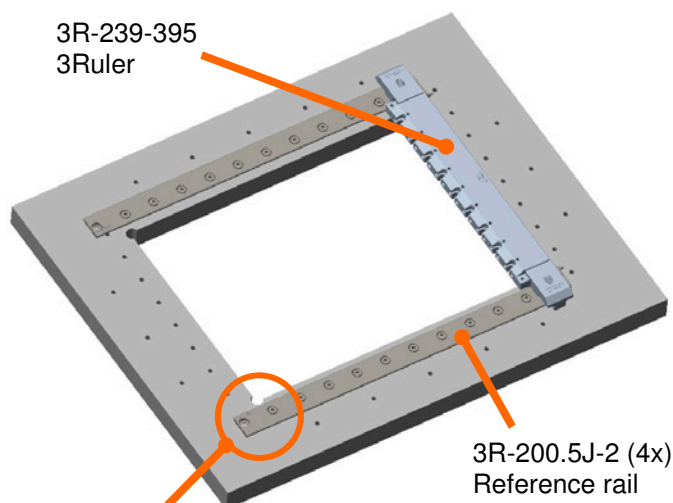use of other products like: 3R-218-S,
3R-243.2-1 or 3R-272HP.

System 3R

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MIC – Machine Interface Configuration

November 15, 2018

Subject to modifications
MIC-2844

Mitsubishi – FA20-S

3R-239-545
3Ruler

3R-200.47J-2 (2x)
Reference rail

Machine table without tooling
Working area:
X: 500 mm
Y: 350 mm

Horizontal configuration
This configuration display one 3Ruler,
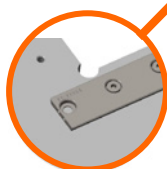but two cross bars may be used.

Working area:
X: 500 mm
Y: 350 mm

3R-239-395
3Ruler

3R-200.5J-2 (4x)
Reference rail

NOTE: There is no threading in table
thus cut off 50 mm of reference rail
for optimal performance.

Vertical configuration
This configuration display one 3Ruler,
but two cross bars may be used.

Working area:
X: 450 mm
Y: 350 mm

See also TPS-sheet "3R-239-xxx" covering
3Ruler and recommended accessories.

Note: The reference rail also enables the
use of other products like: 3R-218-S,
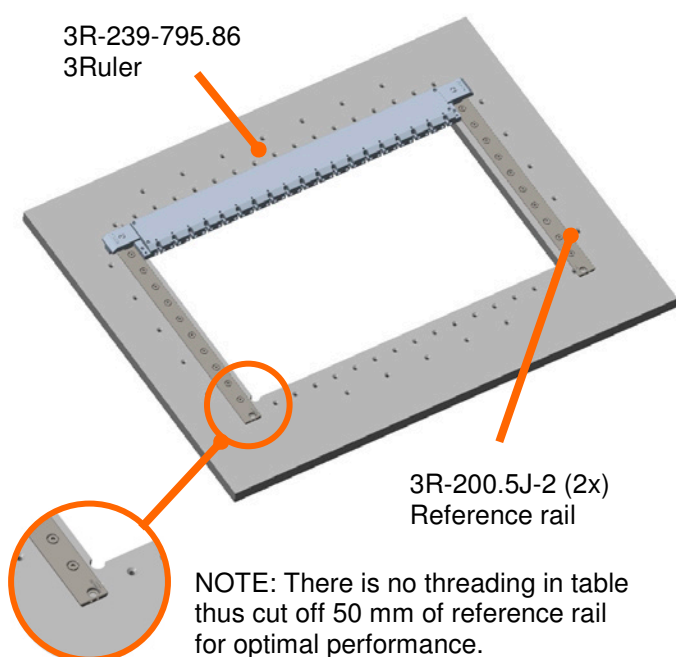3R-243.2-1 or 3R-272HP.

System 3R

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MIC – Machine Interface Configuration

Mitsubishi – FA30-S

3R-239-795.86
3Ruler

3R-200.5J-2 (2x)
Reference rail

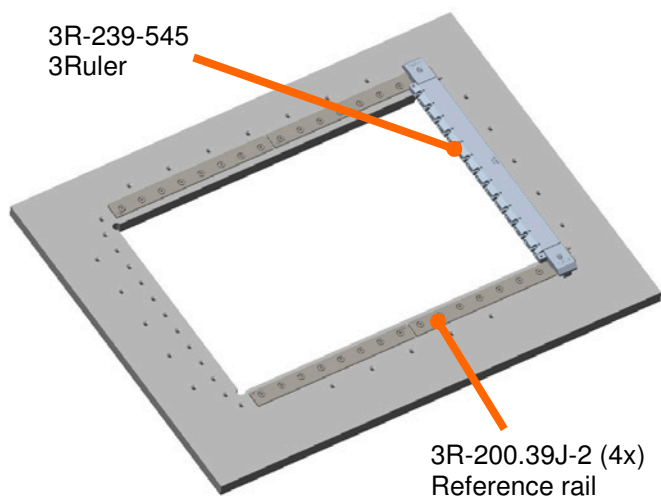NOTE: There is no threading in table thus cut off 50 mm of reference rail for optimal performance.

Machine table without tooling
Working area:
   X: 750 mm
   Y: 500 mm

Horizontal configuration
This configuration display one 3Ruler, but two cross bars may be used.

Working area:
   X: 750 mm
   Y: 423 mm

3R-239-545
3Ruler

3R-200.39J-2 (4x)
Reference rail

Vertical configuration
This configuration display one 3Ruler, but two cross bars may be used.

Working area:
   X: 737 mm
   Y: 500 mm

See also TPS-sheet "3R-239-xxx" covering 3Ruler and recommended accessories.

Note: The reference rail also enables the use of other products like: 3R-218-S, 3R-243.2-1 or 3R-272HP.
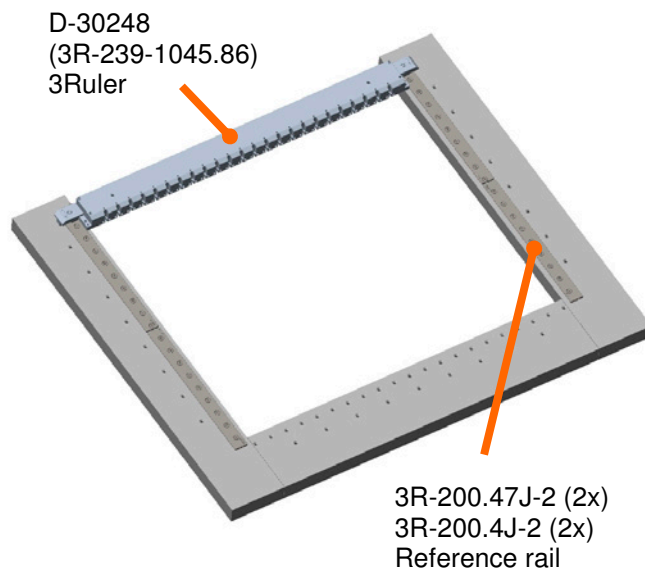
System 3R

MIC – Machine Interface Configuration

Mitsubishi – FA40-S

D-30248
(3R-239-1045.86)
3Ruler

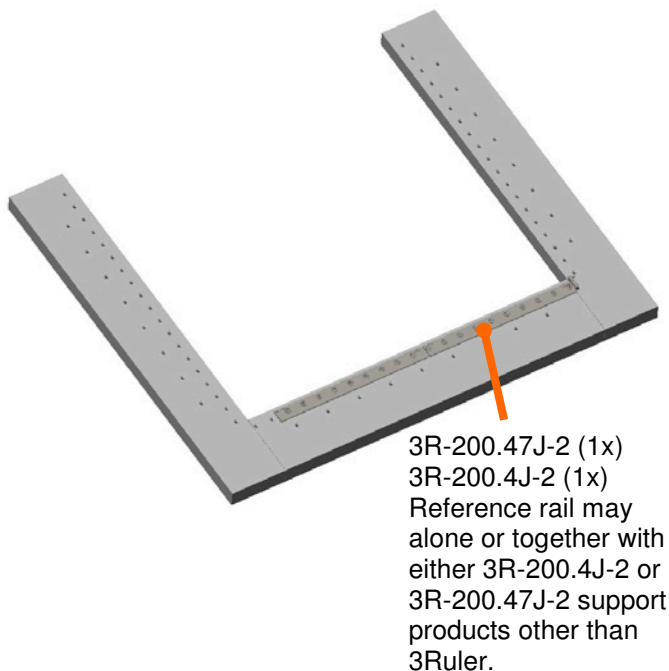3R-200.47J-2 (2x)
3R-200.4J-2 (2x)
Reference rail

Machine table without tooling
Working area:
    X: 1000 mm
    Y: 800 mm

Horizontal configuration
This configuration display one 3Ruler,
but two cross bars may be used.

Working area:
    X: 1000 mm
    Y: 800 mm

3R-200.47J-2 (1x)
3R-200.4J-2 (1x)
Reference rail may
alone or together with
either 3R-200.4J-2 or
3R-200.47J-2 support
products other than
3Ruler.

Vertical configuration
This U-shaped machine-table, does
not support 3Ruler.

Working area:
    X: 1000 mm
    Y: 800 mm

See also TPS-sheet "3R-239-xxx" covering
3Ruler and recommended accessories.

Note: The reference rail also enables the
use of other products like: 3R-218-S,
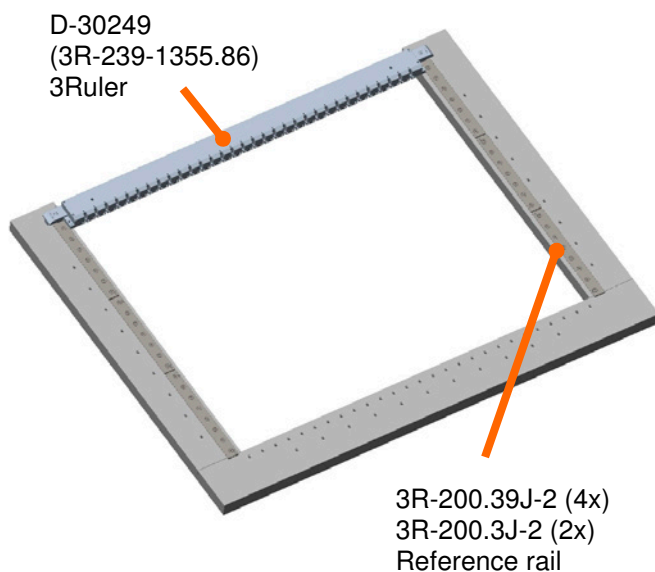3R-243.2-1 or 3R-272HP.

System 3R

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MIC – Machine Interface Configuration

November 19, 2018

Subject to modifications
MIC-2847

Mitsubishi – FA50-S

D-30249
(3R-239-1355.86)
3Ruler

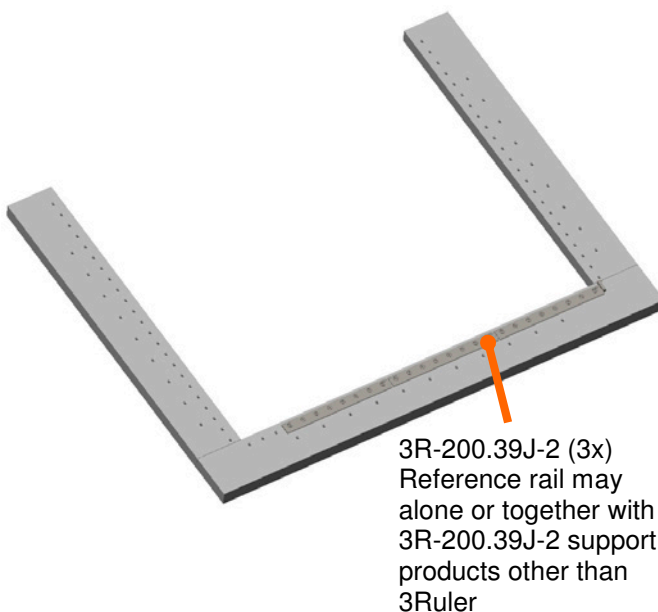3R-200.39J-2 (4x)
3R-200.3J-2 (2x)
Reference rail

Machine table without tooling
Working area:
    X: 1300 mm
    Y: 1000 mm

Horizontal configuration
This configuration display one 3Ruler, but two cross bars may be used.

Working area:
    X: 1300 mm
    Y: 1000 mm

3R-200.39J-2 (3x)
Reference rail may
alone or together with
3R-200.39J-2 support
products other than
3Ruler

Vertical configuration
This U-shaped machine-table, does not support 3Ruler.

Working area:
    X: 1300 mm
    Y: 1000 mm

See also TPS-sheet "3R-239-xxx" covering 3Ruler and recommended accessories.

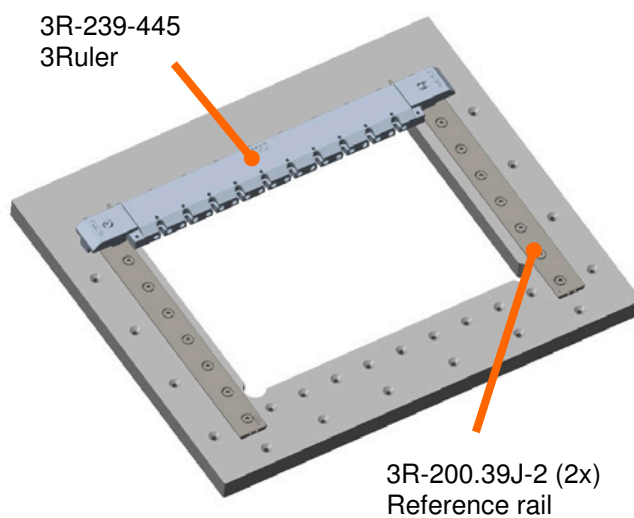Note: The reference rail also enables the use of other products like: 3R-218-S, 3R-243.2-1 or 3R-272HP.

System 3R

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MIC – Machine Interface Configuration

November 21, 2018

Subject to modifications
MIC-2848

Mitsubishi – MP1200, MV1200R

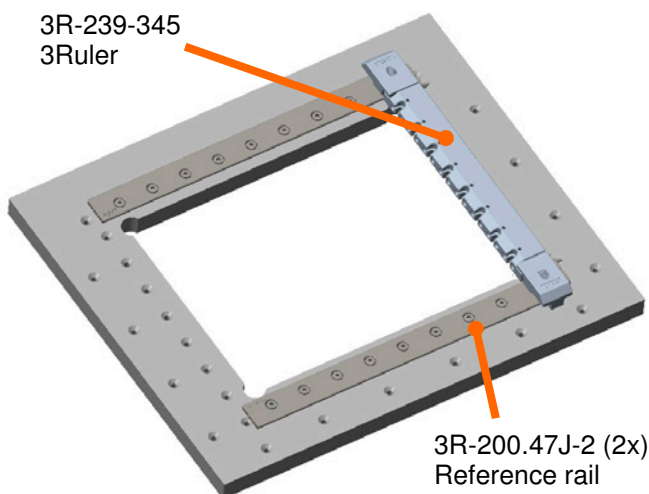3R-239-445
3Ruler

3R-200.39J-2 (2x)
Reference rail

Machine table without tooling
Working area:
    X: 400 mm
    Y: 300 mm

Horizontal configuration
This configuration display one 3Ruler,
but two cross bars may be used.

Working area:
    X: 400 mm
    Y: 267 mm

3R-239-345
3Ruler

3R-200.47J-2 (2x)
Reference rail

Vertical configuration
This configuration display one 3Ruler,
but two cross bars may be used.

Working area:
    X: 390 mm
    Y: 300 mm

See also TPS-sheet "3R-239-xxx" covering
3Ruler and recommended accessories.

Note: The reference rail also enables the
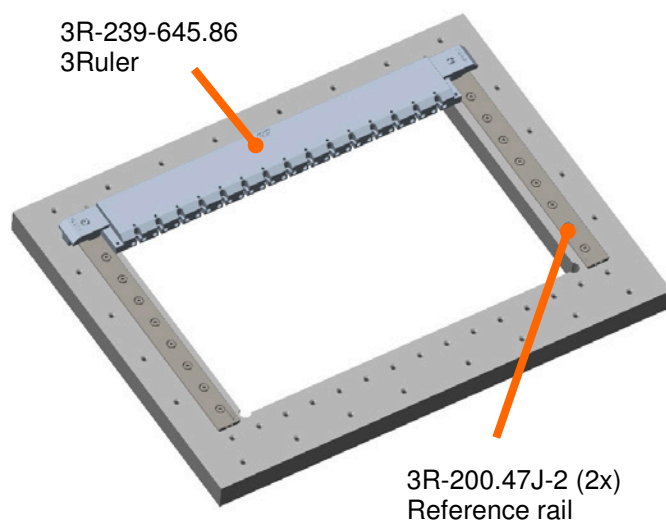use of other products like: 3R-218-S,
3R-243.2-1 or 3R-272HP.

System 3R

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MIC – Machine Interface Configuration

Mitsubishi – MP2400, MV2400, MV2400R, MV2400R Z+, MV2400S Z+

3R-239-645.86
3Ruler

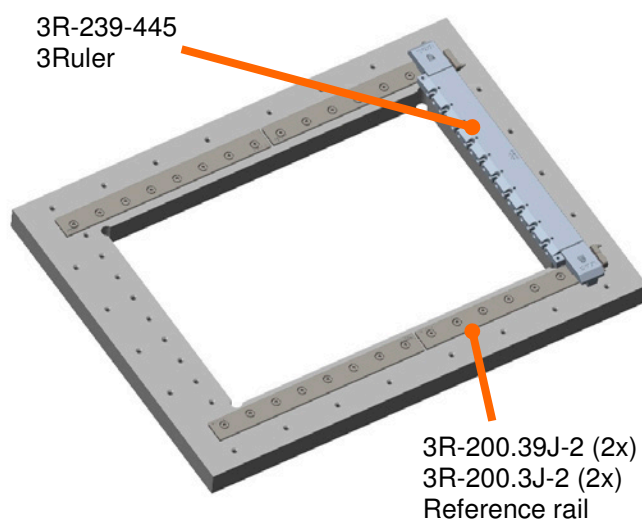3R-200.47J-2 (2x)
Reference rail

Machine table without tooling
Working area:
- X: 600 mm
- Y: 400 mm

Horizontal configuration
This configuration display one 3Ruler, but two cross bars may be used.

Working area:
- X: 600 mm
- Y: 364 mm

3R-239-445
3Ruler

3R-200.39J-2 (2x)
3R-200.3J-2 (2x)
Reference rail

Vertical configuration
This configuration display one 3Ruler, but two cross bars may be used.

Working area:
- X: 600 mm
- Y: 400 mm

See also TPS-sheet "3R-239-xxx" covering 3Ruler and recommended accessories.

Note: The reference rail also enables the use of other products like: 3R-218-S, 3R-243.2-1 or 3R-272HP.
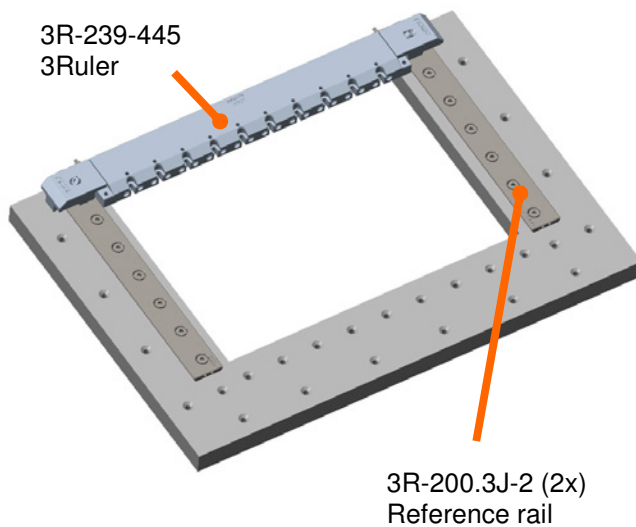
System 3R

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MIC – Machine Interface Configuration

Mitsubishi – MV1200S
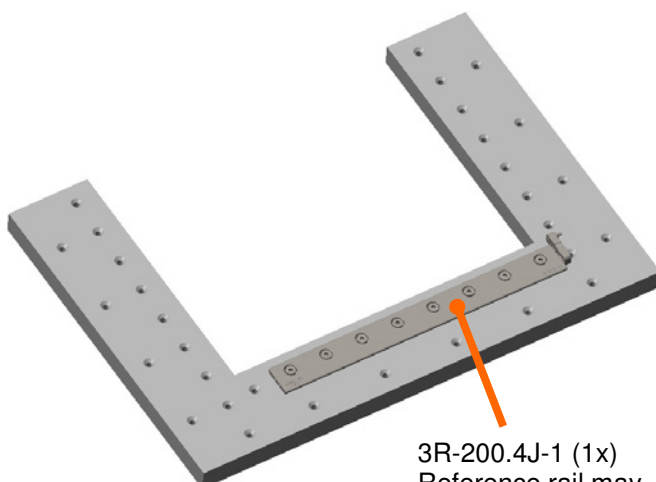
3R-239-445
3Ruler

3R-200.3J-2 (2x)
Reference rail

Machine table without tooling
Working area:
   X: 400 mm
   Y: 300 mm

Horizontal configuration
This configuration display one 3Ruler,
but two cross bars may be used.

Working area:
   X: 400 mm
   Y: 267 mm

3R-200.4J-1 (1x)
Reference rail may
alone or together
with 3R-200.3J-2
support products
other than 3Ruler
NOTE: The rail is
mounted 180°

Vertical configuration
This U-shaped machine-table, does
not support 3Ruler.

Working area:
   X: 400 mm
   Y: 300 mm

See also TPS-sheet "3R-239-xxx" covering
3Ruler and recommended accessories.

Note: The reference rail also enables the
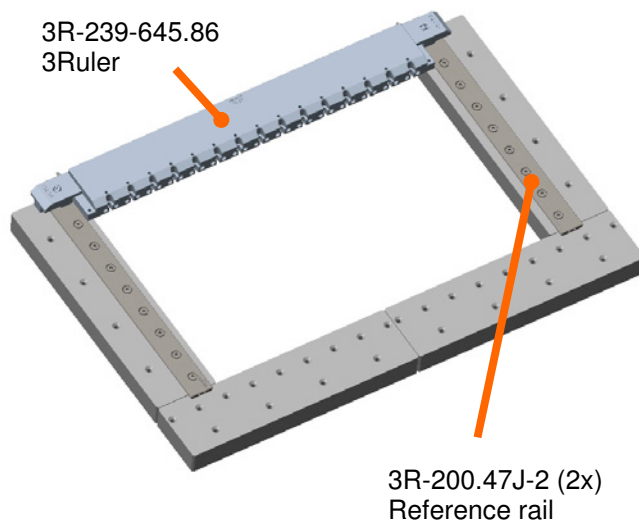use of other products like: 3R-218-S,
3R-243.2-1 or 3R-272HP.

System 3R

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MIC – Machine Interface Configuration

Mitsubishi – MV2400S

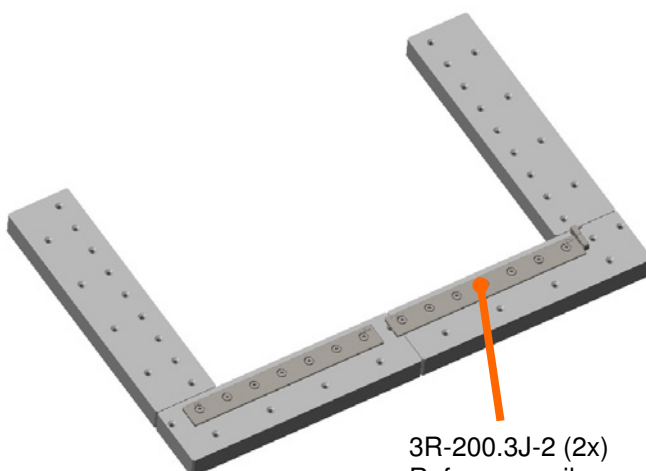3R-239-645.86
3Ruler

3R-200.47J-2 (2x)
Reference rail

Machine table without tooling
Working area:
   X: 600 mm
   Y: 400 mm

Horizontal configuration
This configuration display one 3Ruler,
but two cross bars may be used.

Working area:
   X: 600 mm
   Y: 364 mm

3R-200.3J-2 (2x)
Reference rail may
alone or together
with 3R-200.47J-2
support products
other than 3Ruler

Vertical configuration
This U-shaped machine-table, does
not support 3Ruler.

Working area:
   X: 600 mm
   Y: 400 mm

See also TPS-sheet "3R-239-xxx" covering
3Ruler and recommended accessories.

Note: The reference rail also enables the
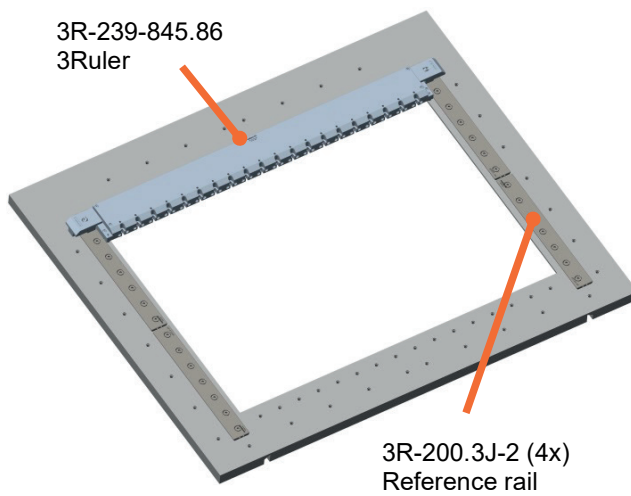use of other products like: 3R-218-S,
3R-243.2-1 or 3R-272HP.

System 3R

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MIC – Machine Interface Configuration

Mitsubishi – MV4800R

3R-239-845.86
3Ruler

3R-200.3J-2 (4x)
Reference rail
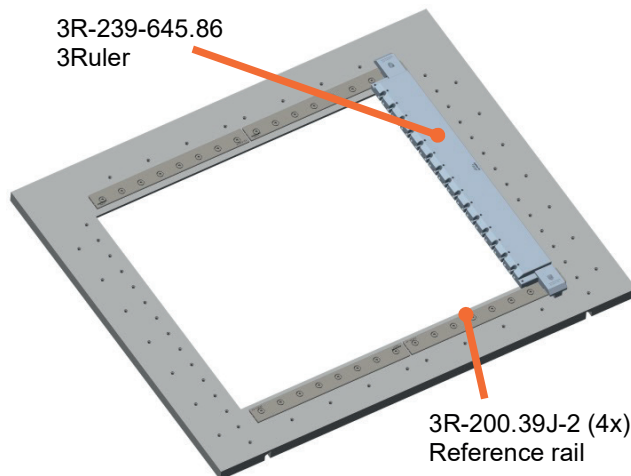
Machine table without tooling
Working area:
   X: 800 mm
   Y: 600 mm

Horizontal configuration
This configuration display one 3Ruler,
but two cross bars may be used.

Working area:
   X: 800 mm
   Y: 536 mm

3R-239-645.86
3Ruler

3R-200.39J-2 (4x)
Reference rail

Vertical configuration
This configuration display one 3Ruler,
but two cross bars may be used.

Working area:
   X: 710 mm
   Y: 600 mm

See also TPS-sheet "3R-239-xxx" covering
3Ruler and recommended accessories.

Note: The reference rail also enables the
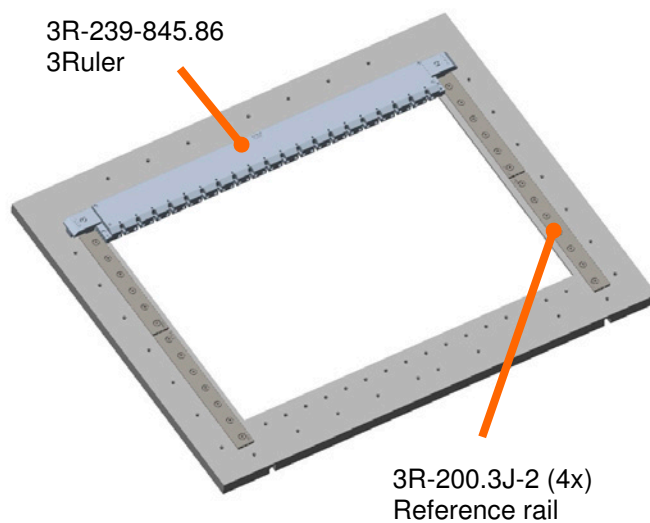use of other products like: 3R-218-S,
3R-243.2-1 or 3R-272HP.

System 3R

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MIC – Machine Interface Configuration

Mitsubishi – MV4800S

3R-239-845.86
3Ruler

3R-200.3J-2 (4x)
Reference rail
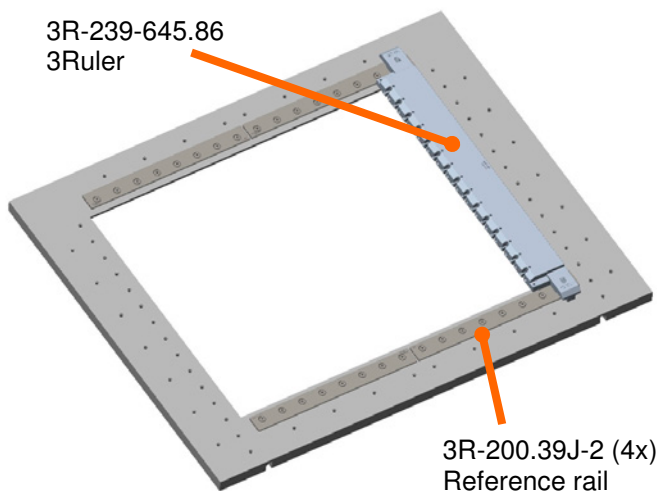
Machine table without tooling
Working area:
    X: 800 mm
    Y: 600 mm

Horizontal configuration

This configuration display one 3Ruler,
but two cross bars may be used.

Working area:
    X: 800 mm
    Y: 536 mm

3R-239-645.86
3Ruler

3R-200.39J-2 (4x)
Reference rail

Vertical configuration

This configuration display one 3Ruler,
but two cross bars may be used.

Working area:
    X: 710 mm
    Y: 600 mm

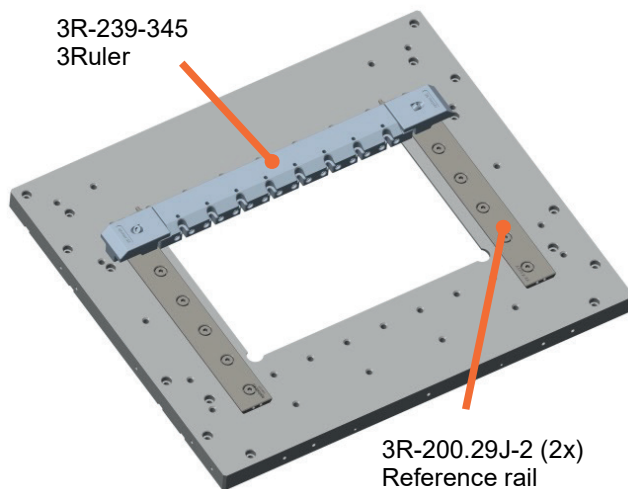See also TPS-sheet "3R-239-xxx" covering
3Ruler and recommended accessories.

Note: The reference rail also enables the
use of other products like: 3R-218-S,
3R-243.2-1 or 3R-272HP.

MIC – Machine Interface Configuration

July 30, 2019

Subject to modifications
MIC-2853

Mitsubishi – MX600

3R-239-345
3Ruler

3R-200.29J-2 (2x)
Reference rail

Machine table without tooling
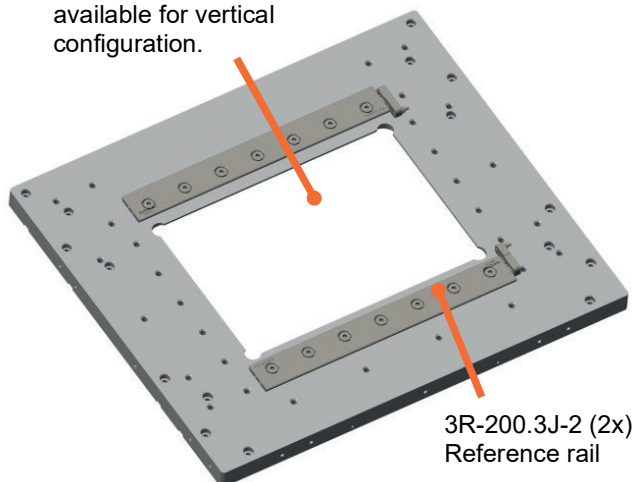Working area:
  X: 300 mm
  Y: 200 mm

<u>Horizontal configuration</u>
This configuration display one 3Ruler,
but two cross bars may be used.

Working area:
  X: 300 mm
  Y: 179 mm

No 3Ruler has been made
available for vertical
configuration.

3R-200.3J-2 (2x)
Reference rail

<u>Vertical configuration</u>
The size of table does not support
Ruler by vertical configuration.

Working area:
  X: 300 mm
  Y: 200 mm

See also TPS-sheet "3R-239-xxx" covering
3Ruler and recommended accessories.

Note: The reference rail also enables the
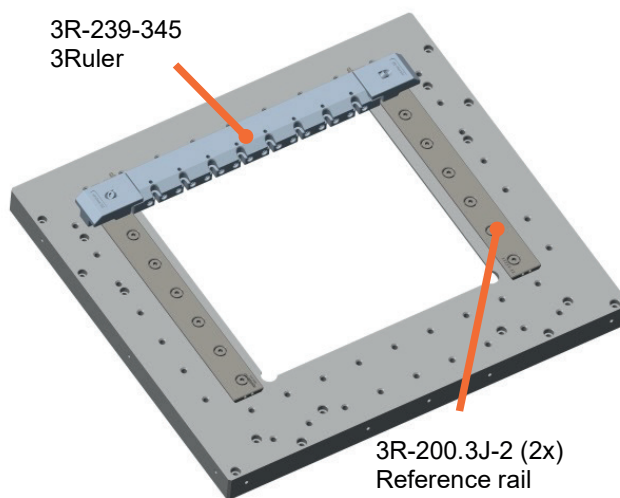use of other products like: 3R-218-S,
3R-243.2-1 or 3R-272HP.

System 3R

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MIC – Machine Interface Configuration

July 30, 2019

Subject to modifications
MIC-2921

Mitsubishi – MX900

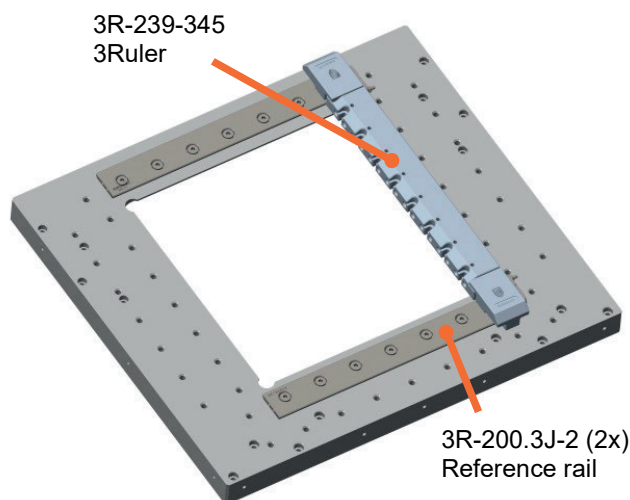3R-239-345
3Ruler

3R-200.3J-2 (2x)
Reference rail

Machine table without tooling
Working area:
    X: 300 mm
    Y: 300 mm

<u>Horizontal configuration</u>
This configuration display one 3Ruler,
but two cross bars may be used.

Working area:
    X: 300 mm
    Y: 277 mm

3R-239-345
3Ruler

3R-200.3J-2 (2x)
Reference rail

<u>Vertical configuration</u>
This configuration display one 3Ruler,
but two cross bars may be used.

Working area:
    X: 277 mm
    Y: 300 mm

See also TPS-sheet "3R-239-xxx" covering
3Ruler and recommended accessories.

Note: The reference rail also enables the
use of other products like: 3R-218-S,
3R-243.2-1 or 3R-272HP.

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