Saxon sealer – With bands

SB1000 – SB2000 – SB3000 – SB4000

Description

This sealer is used for the sealing of open-mouth polypropylene, polyethylene, paper with polypropylene and polyethylene liners, laminated and gusseted bags.

The sealer head can be mounted on a motorised column and a trolley, or incorporated into a custom-built application and it can also be mounted vertically.

To have a smooth operation of the sealer a conveyor is required.

Nominal sealing width is 14mm; this may vary due to the possibility of material shrinkage.

MECHANIC:

The band sealer consists of the following elements:
- Sealed for life gearbox available in 3 speed ranges:
  standard speed: 6,2 to 14,1 m/min | optional speeds: 2,7 to 6,2 m/min and 9,7 to 22,2 m/min
- Stainless Steel 430 construction
- Physical open lid stay
- Right to Left (standard) or Left to Right operation (to be specified when ordering)
- Easy accessibility to all heaters by the removal of the heater modules
- Maximum temperature obtainable from the heaters is 230 °C
- Security screws used to prevent unauthorised access to the control panel
- Self-aligning heater bars - PTFE Band
- Adjustable pressure control to the pressure wheels (no pressure wheels for the model SB1000)

ELECTRIC:

- Variable frequency speed controller
- Temperature thermocouple
- Safety switch
- Power is automatically turned off to the sealer when the PID reaches 50°C after being switched to cool down (1st alarm)
- 2nd alarm allows the customer to send a Volt free signal to state that the sealer is at operating temperature
- All control signals are 24VDC
- Motor 240V 3Ph 0,18kW
- Control enclosure to IP54 (standard) - Control enclosure to IP66 when ordering a washdown sealer

PNEUMATICS:

- Air source: 0,6 MPa (clean, dry and non-lubricated) needed for options
  - Trimmer, airwash, purge, vortex cooler, …

Non contractual pictures.
Owing to the continuous technical development of the machines, minor changes may have been implemented.

Specific technical details depending on the reference numbers:

Reference	Technical details
SB 1000	**DESIGN** - Short frame **ELECTRIC** - Twin alarm PID temperature controller - Heaters: 1 X 500W heater - 2 X 250W heaters - Maximum current 6,8A with column fitted - Nominal Power supply 220-230VAC 2 Ph 50/60Hz (standard) - Total Power 1389W
SB 2000	**DESIGN** - Short frame **PNEUMATIC** - Internal vortex cooler **ELECTRIC** - 2 Twin alarm PID temperature controllers - Heaters: 2 X 500W heaters - 4 X 250W heaters - Maximum current 12A with column fitted - Nominal Power supply 220-230VAC 2 Ph 50/60Hz (standard) - Total Power 2389W
SB 3000	**DESIGN** - Long frame **PNEUMATIC** - Internal vortex cooler **ELECTRIC** - 3 Twin alarm PID temperature controllers - Heaters: 3 X 500W heaters - 6 X 250W heaters - Maximum current 15,6A with column fitted - Nominal Power supply 380-415VAC 3 ph & N 50/60Hz (standard) -Total Power 3500W
SB 4000	**DESIGN** - Long frame **PNEUMATIC** - Internal vortex cooler **ELECTRIC** - 4 Twin alarm PID temperature controllers - Heaters: 4 X 500W heaters - 8 X 250W heaters - Maximum current 16,6A with column fitted - Nominal Power supply 380-415VAC 3 ph & N 50/60Hz (standard) - Total Power 4500W

Non contractual pictures.
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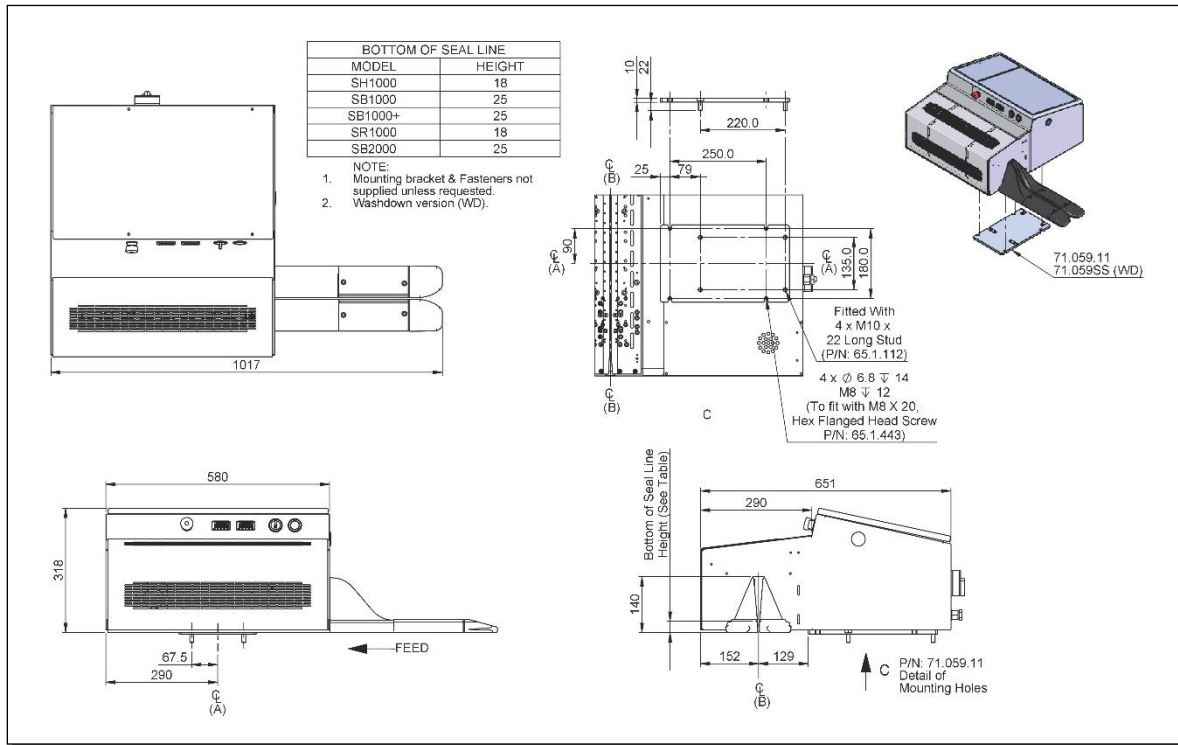
TECHNICAL SPECIFICATIONS

Description	Sealer Head	Electrical column (Aluminium) and footplate	Trolley	Electrical protection level
Sealer head – stainless steel – IP54	Stainless steel	-	-	IP54
Sealer head – Washdown – IP66	Washdown	-	-	IP66
Sealer head – stainless steel – IP54 with electrical column (Aluminium) and footplate	Stainless steel	YES	-	IP54
Sealer head – stainless steel – IP54 with electrical column (Aluminium) and footplate With extension arm	Stainless steel	YES	-	IP54
Sealer head – Washdown – IP66 with electrical column (Aluminium) and footplate	Washdown	YES	-	IP66
Pedestal model: sealer head (SS) – (IP54) + electrical column (Aluminium) + epoxy trolley	Stainless steel	YES	Epoxy coated	IP54
Pedestal model: sealer head (SS) – (IP54) + electrical column (Aluminium) + stainless steel trolley	Stainless steel	YES	Stainless steel	IP54
Pedestal model: sealer head Washdown – (IP66) + electrical column (Aluminium) + stainless steel trolley	Washdown	YES	Stainless steel	IP66

Non contractual pictures.
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SB 1000 & SB 2000: Sealer head only

BOTTOM OF SEAL LINE	
MODEL	HEIGHT
SH1000	18
SB1000	25
SB1000+	25
SR1000	18
SB2000	25

NOTE:
1. Mounting bracket & Fasteners not supplied unless requested.
2. Washdown version (WD).

SB 1000 & SB 2000: Sealer head with short infeed

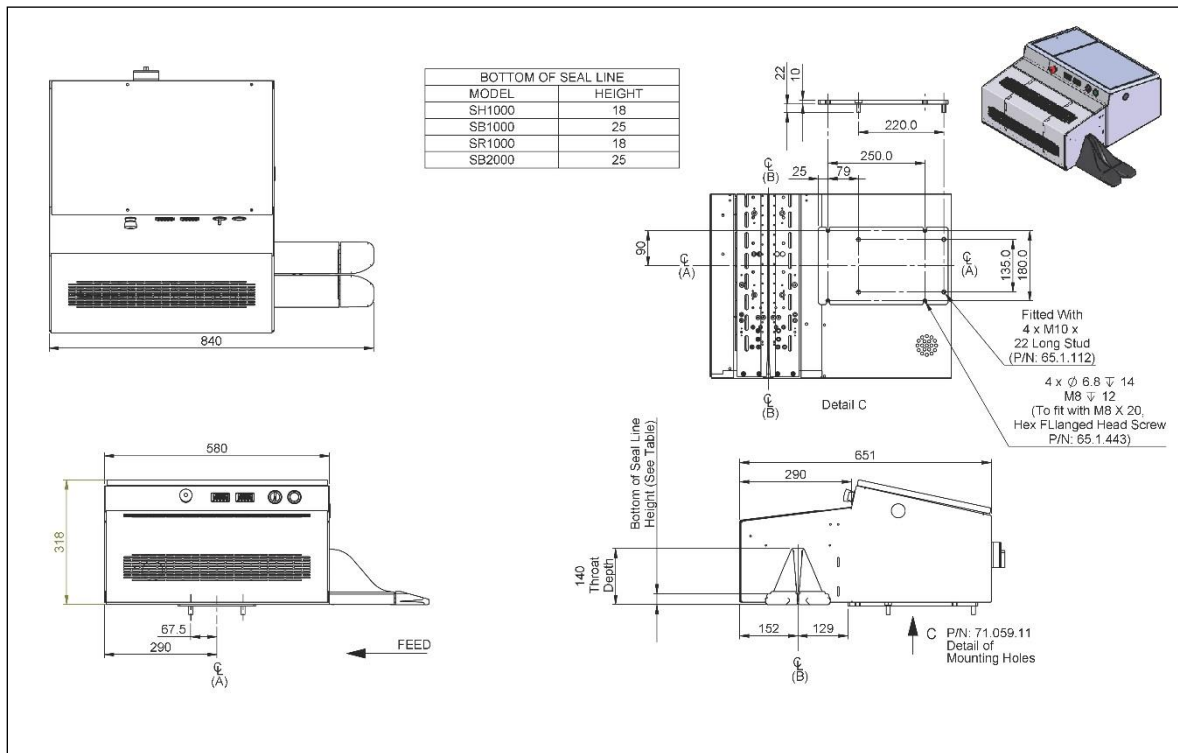| BOTTOM OF SEAL LINE	
MODEL	HEIGHT
SH1000	18
SB1000	25
SR1000	18
SB2000	25

Non contractual pictures.
Owing to the continuous technical development of the machines, minor changes may have been implemented.

SB 1000 & SB 2000: Sealer head + Electrical column + Foot plate

BOTTOM OF SEAL LINE	
MODEL	HEIGHT
SH1000	18
SB1000	25
SR1000	18
SB2000	25

SB 1000 & SB 2000: Sealer head + Electrical column + Trolley

BOTTOM OF SEAL LINE	
MODEL	HEIGHT
SH1000	18
SB1000	25
SR1000	18
SB2000	25

Non contractual pictures.
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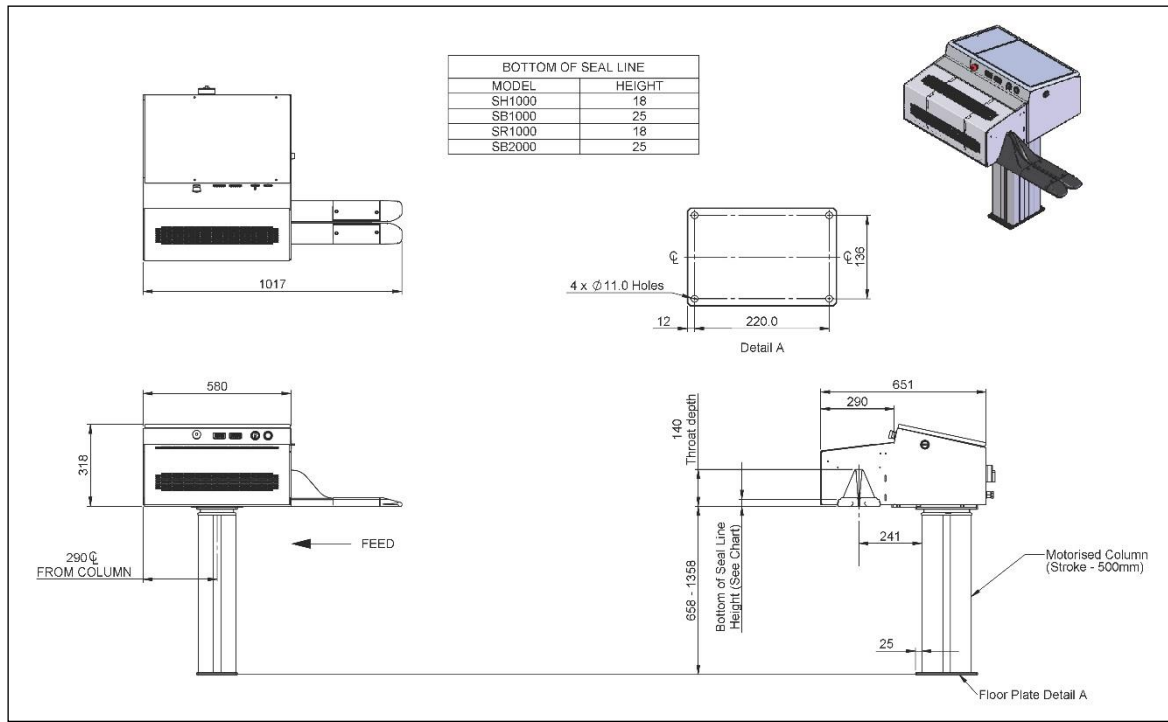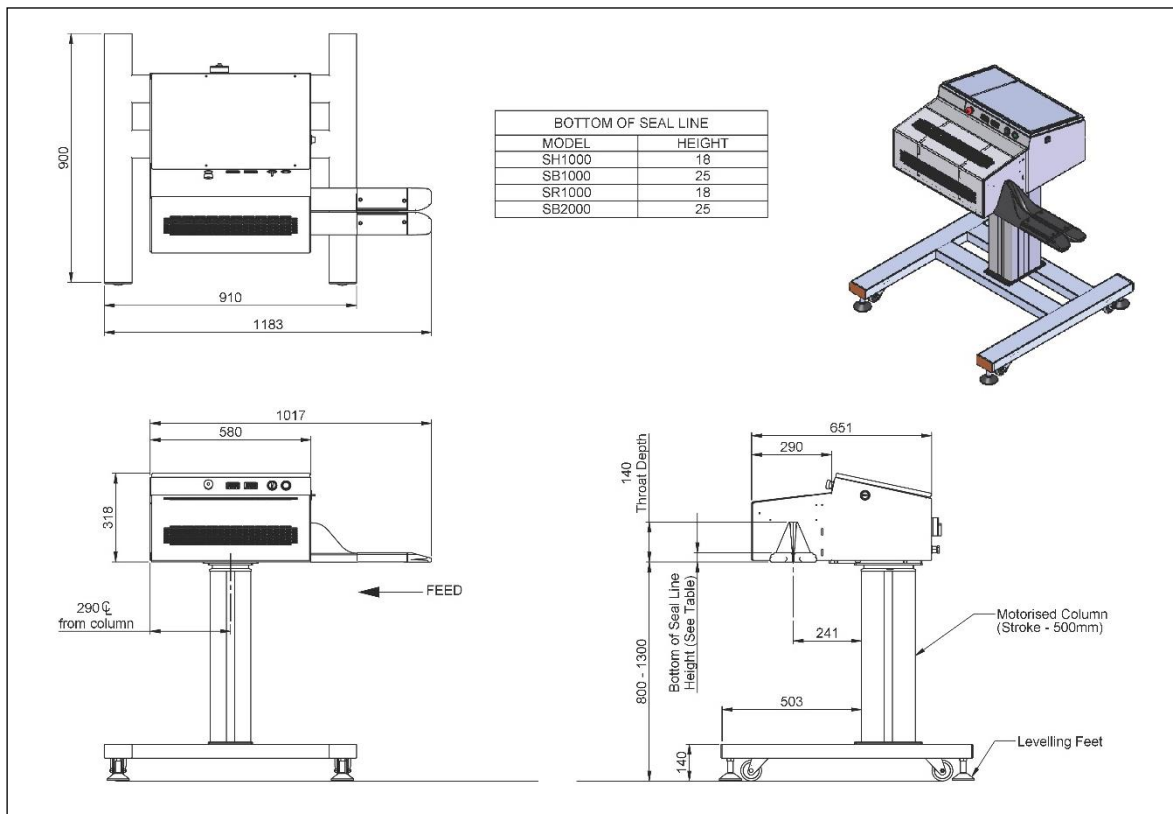
SB 1000 & SB 2000: Sealer head + Electrical column + Extension arm + Trolley

BOTTOM OF SEAL LINE	
MODEL	HEIGHT
SH1000	18
SB1000	25
SR1000	18
SB2000	25

SB 1000 & SB 2000: Sealer head at 90° + Electrical column + Trolley

BOTTOM OF SEAL LINE	
MODEL	HEIGHT
SH1000	18
SB1000	25
SR1000	18
SB2000	25

WARNING:
WHEN MANOEUVRE THE TROLLEY SEALER, ENSURE THE COLUMN IS FULLY RETRACTED INTO ITS LOWEST HEIGHT.

Non contractual pictures.
Owing to the continuous technical development of the machines, minor changes may have been implemented.

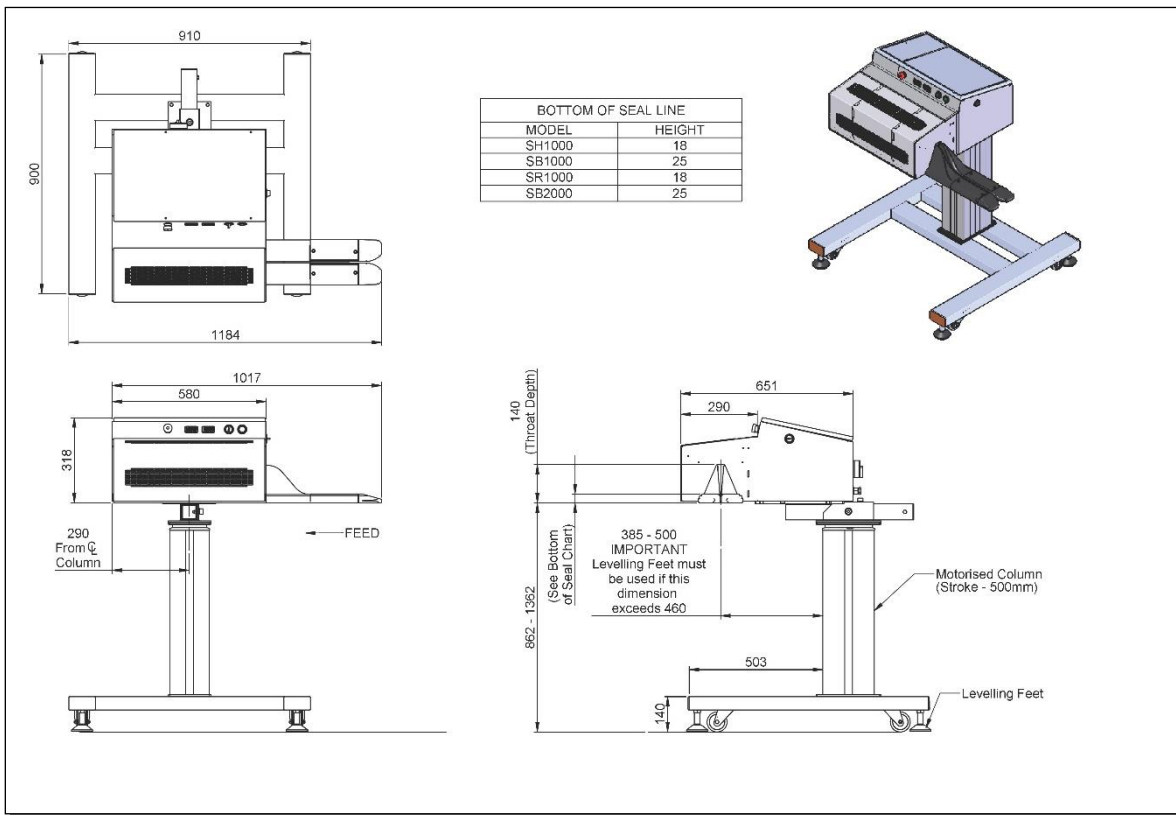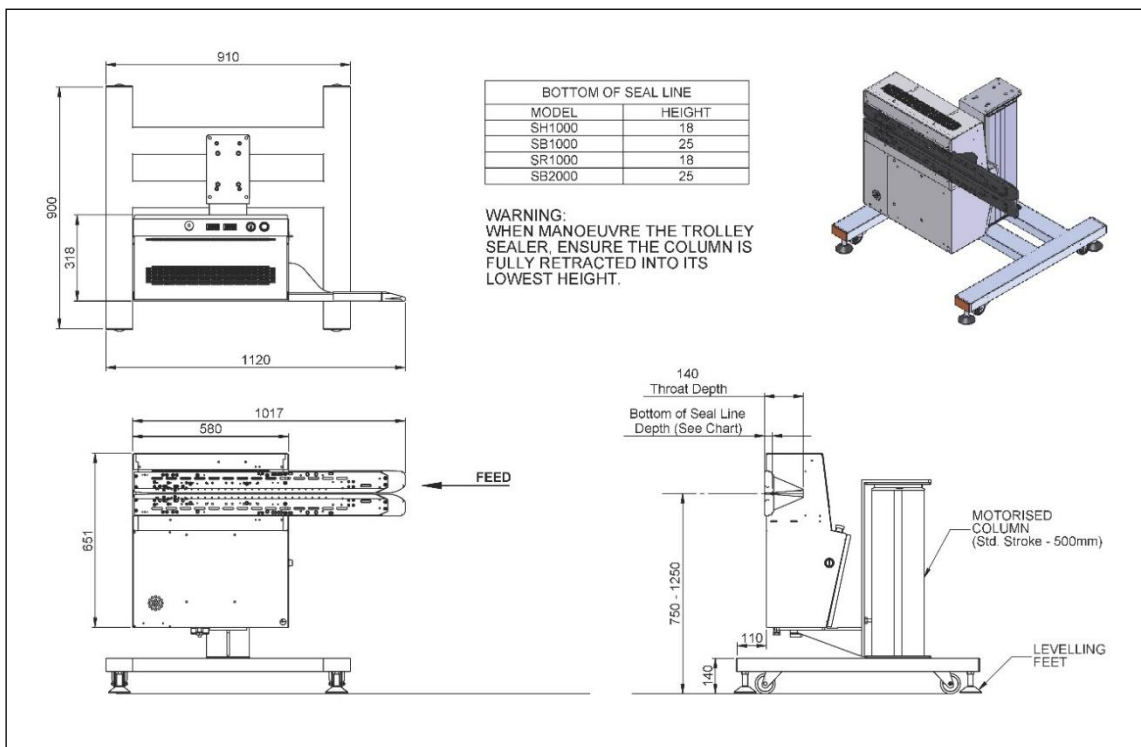## SB 1000 & SB 2000: Sealer head + Electrical column + Mobile conveyor

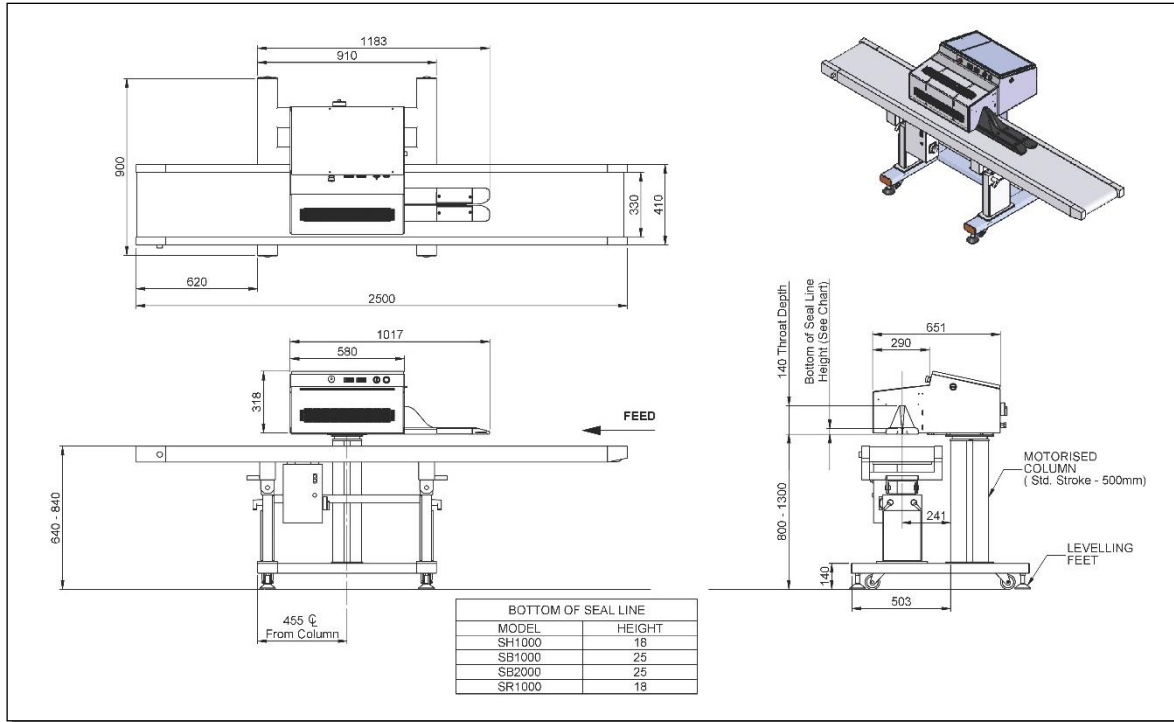| BOTTOM OF SEAL LINE	
MODEL	HEIGHT
SH1000	18
SB1000	25
SB2000	25
SR1000	18

SB 1000 & SB 2000: Sealer head at 90° + Electrical column + Mobile conveyor

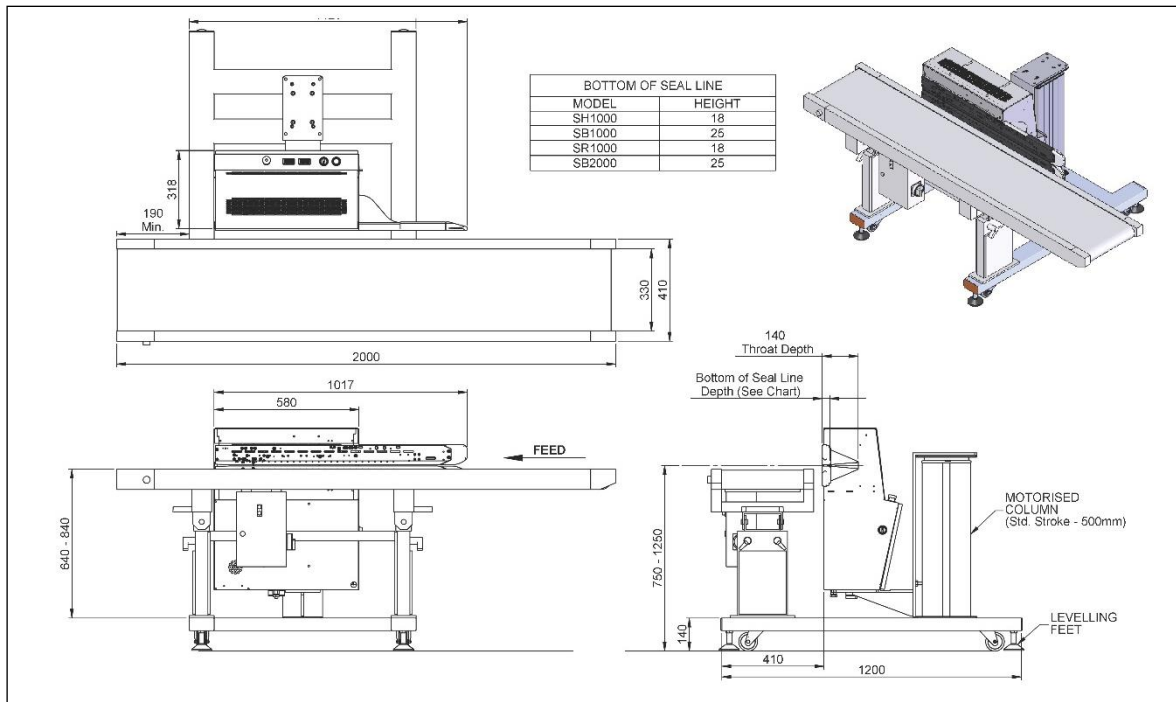| BOTTOM OF SEAL LINE	
MODEL	HEIGHT
SH1000	18
SB1000	25
SR1000	18
SB2000	25

Non contractual pictures.
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SB 2000 & SB 3000: Sealer head only

6 x ⌀ 9.0 THRU ALL
⌴ ⌀ 18.0 ⌄ 9
⌵ ⌀ 18.1 X 90°, Near Side
Fitted with M8 x 16 Caphead Screw
Part No: 65.1.419)

220.0

25
15

120.0

68
REF

136.0

120.0

60

120.0

For L-R Configuration

120.0

Fitted with
4 x M10 x
40 Long Stud

224.0

DETAIL A

6 x ⌀ 9.0 THRU ALL
⌴ ⌀ 18.0 ⌄ 9
⌵ ⌀ 18.1 X 90°, Near Side
(To Fit M8 x 16 Caphead Screw
Part No: 65.1.419)

1528

1045

318

FEED

553

68

(Mounting Bracket)

651

290

140
Throat Depth

152

196

Bottom of Seal Line
Height (See Chart)

See Mounting Bracket Detail "A"
(PT No.73.059)

NOTE:
Mounting bracket not supplied unless requested

BOTTOM OF SEAL LINE	
MODEL	HEIGHT
SH2000	17
SB3000	25
SB4000	25
SR2000	17

SB 2000 & SB 3000: Sealer head with short infeed

6 x ⌀ 9.0 THRU ALL
⌴ ⌀ 18.0 ⌄ 9
⌵ ⌀ 18.1 X 90°, Near Side
Fitted with M8 x 16 Caphead Screw
Part No: 65.1.419)

220.0

25
15

120.0

68
REF

136.0

120.0

60

120.0

For L-R Configuration

120.0

Fitted with
4 x M10 x
40 Long Stud

224.0

DETAIL A

6 x ⌀ 9.0 THRU ALL
⌴ ⌀ 18.0 ⌄ 9
⌵ ⌀ 18.1 X 90°, Near Side
(To Fit M8 x 16 Caphead Screw
Part No: 65.1.419)

1300

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FEED

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(Mounting Bracket)

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140
Throat Depth

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196

Bottom of Seal Line
Height (See Chart)

See Mounting Bracket Detail "A"
(PT No.73.059)

NOTE:
Mounting bracket not supplied unless requested

BOTTOM OF SEAL LINE	
MODEL	HEIGHT
SH2000	17
SB3000	25
SB4000	25
SR2000	17

Non contractual pictures.
Owing to the continuous technical development of the machines, minor changes may have been implemented.

Technical sheet

SB 3000 & SB 4000: Sealer head + Electrical column + Foot plate

SB 3000 & SB 4000: Sealer head + Electrical column + Trolley

Non contractual pictures.
Owing to the continuous technical development of the machines, minor changes may have been implemented.
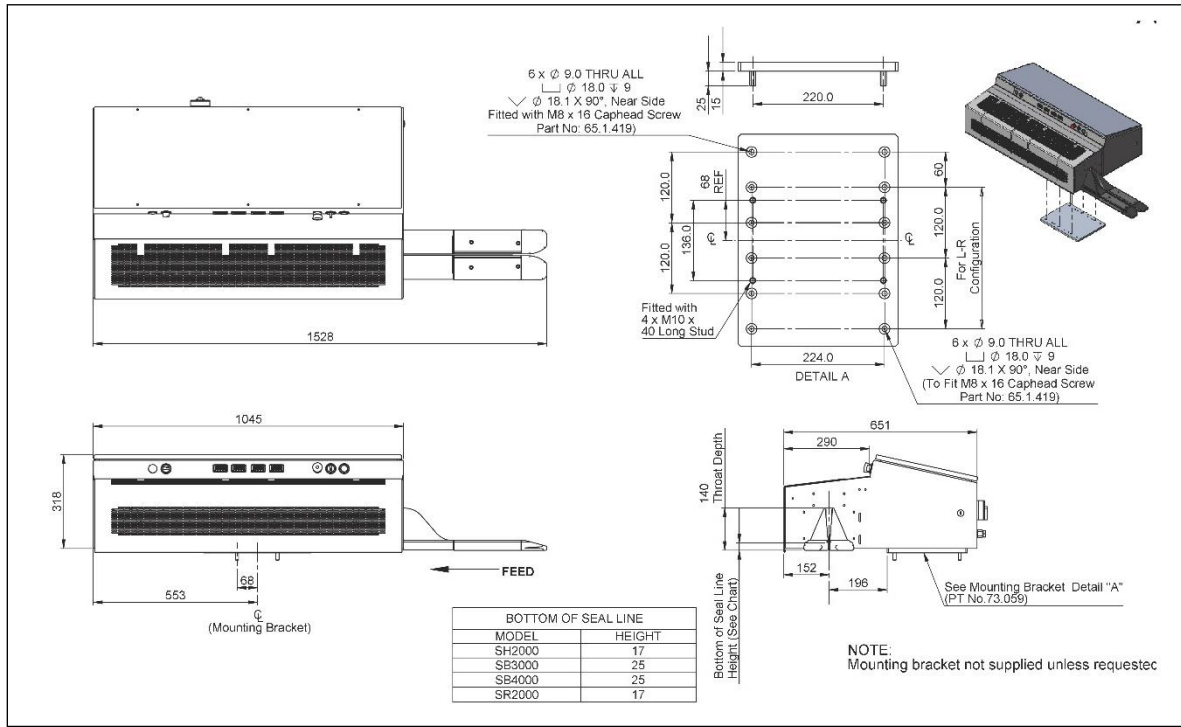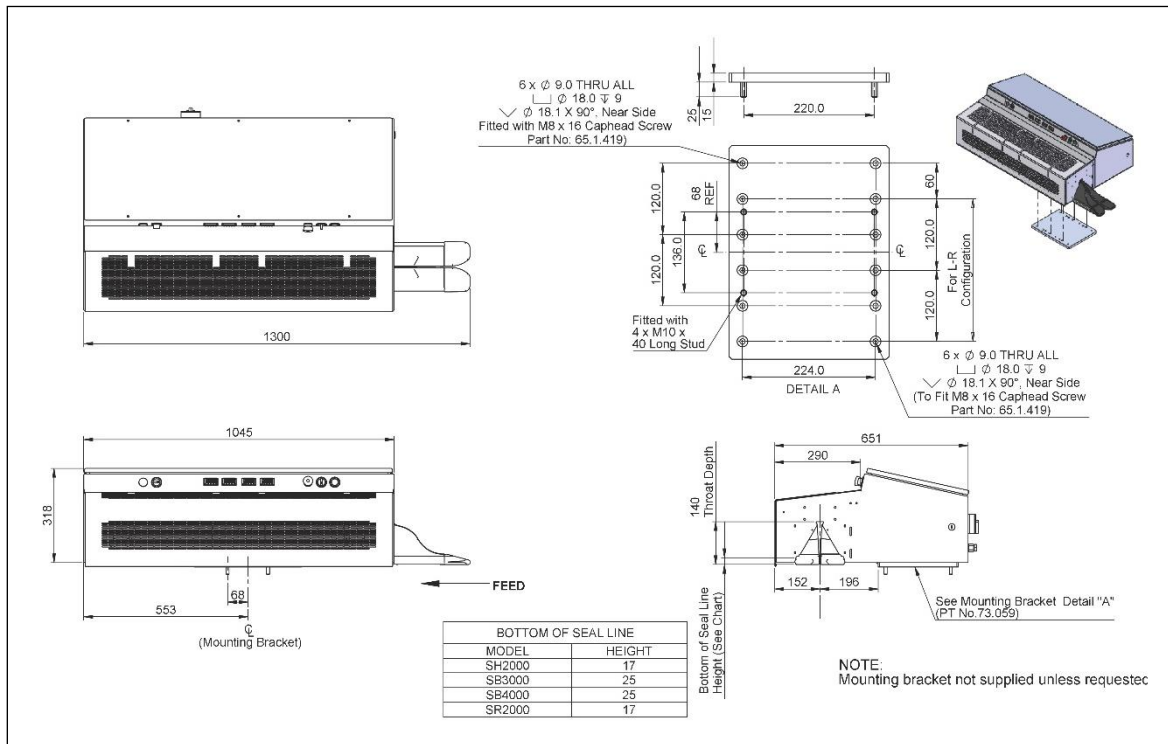
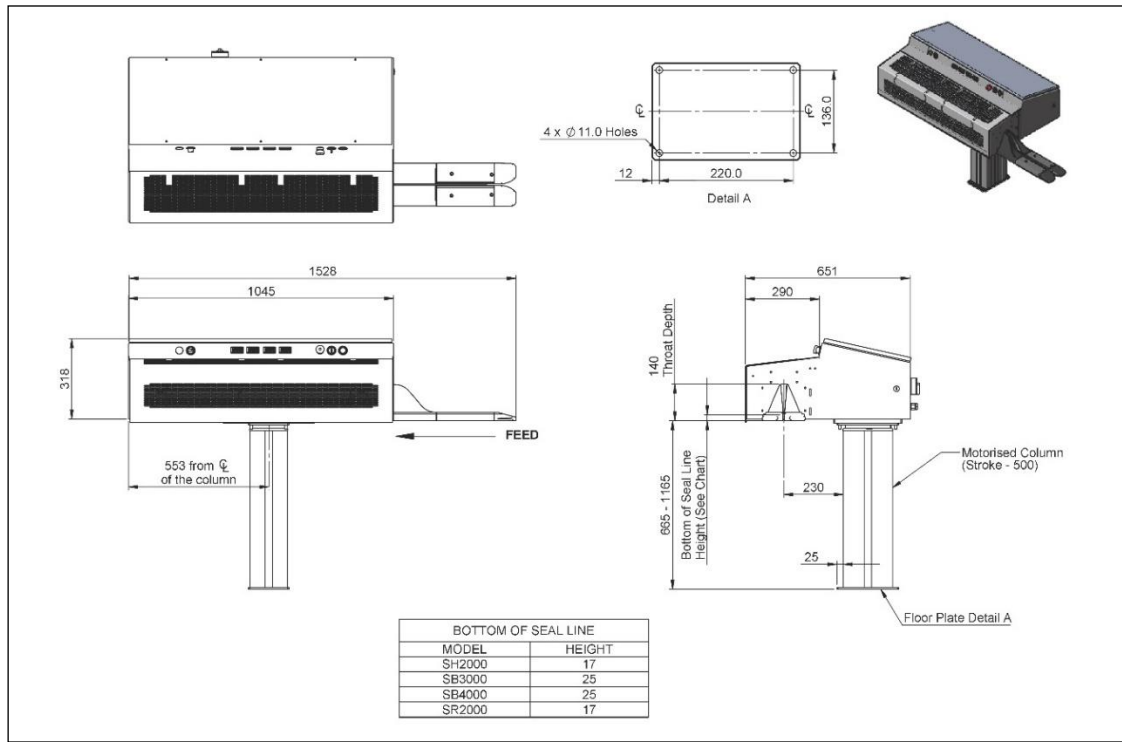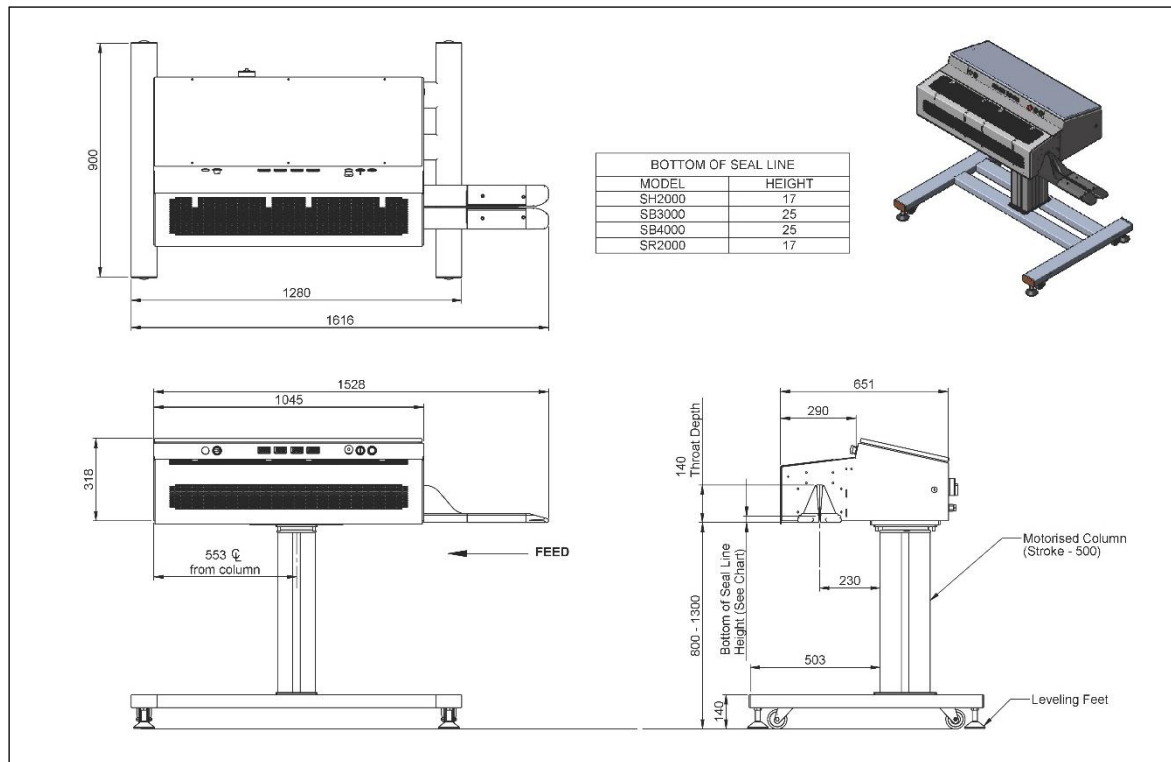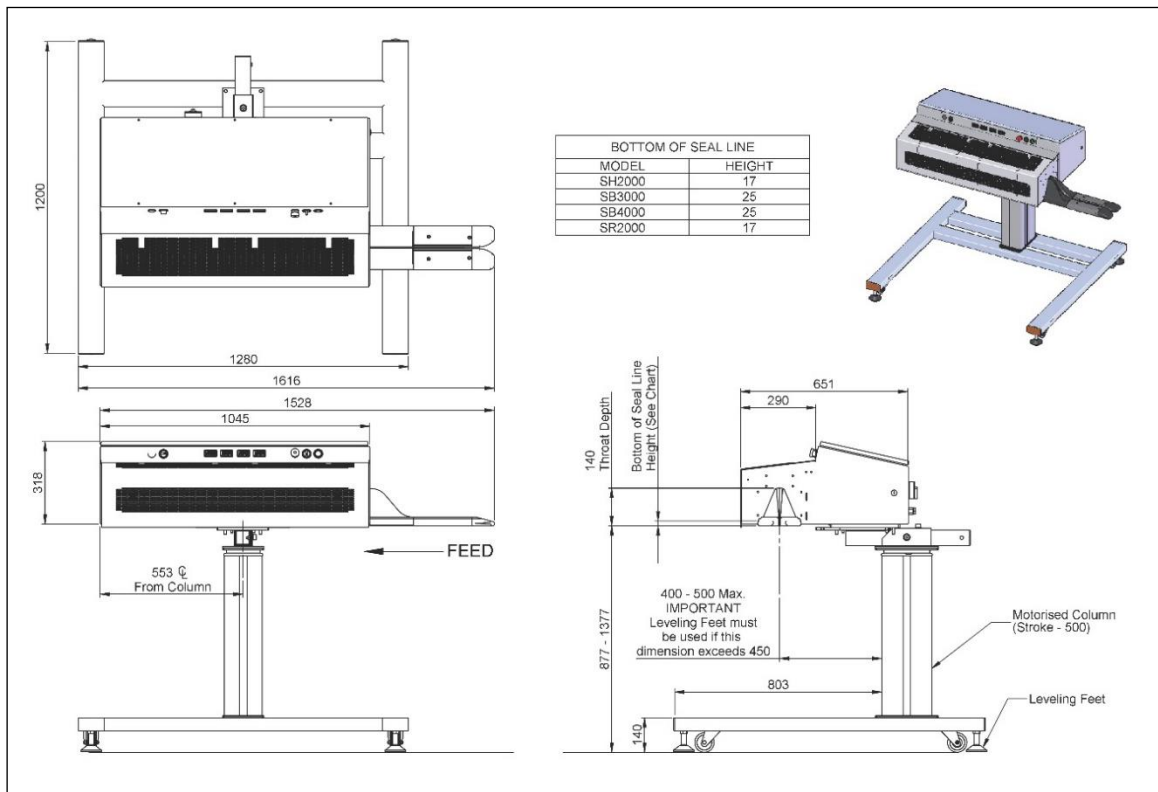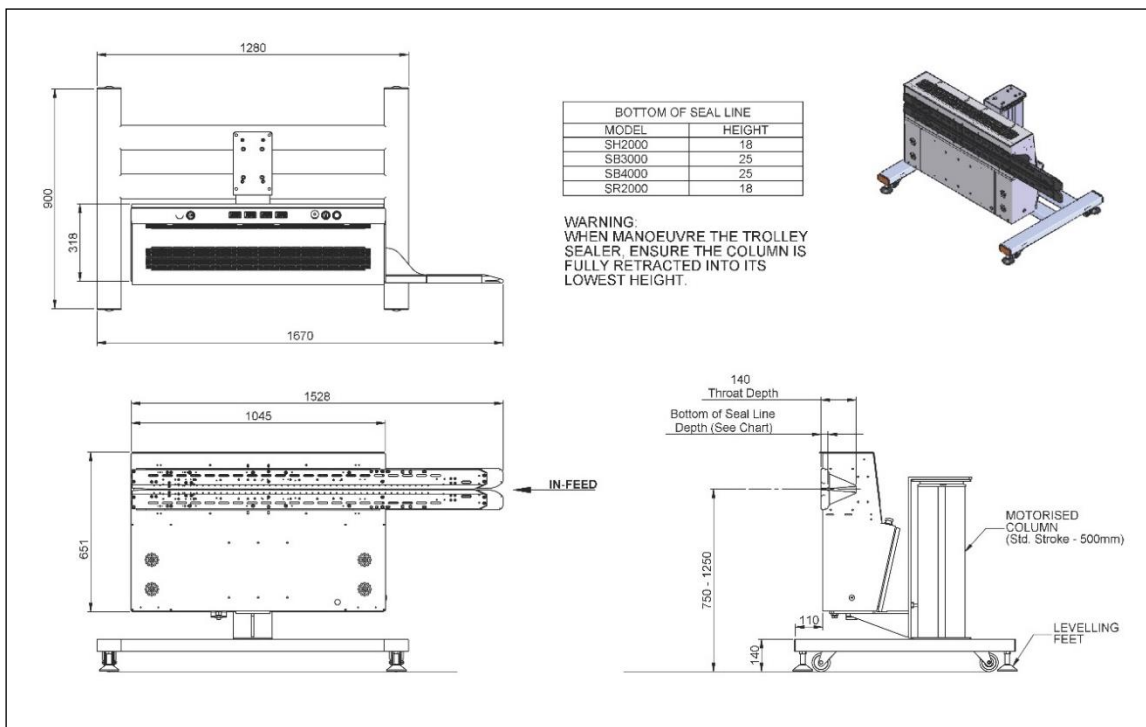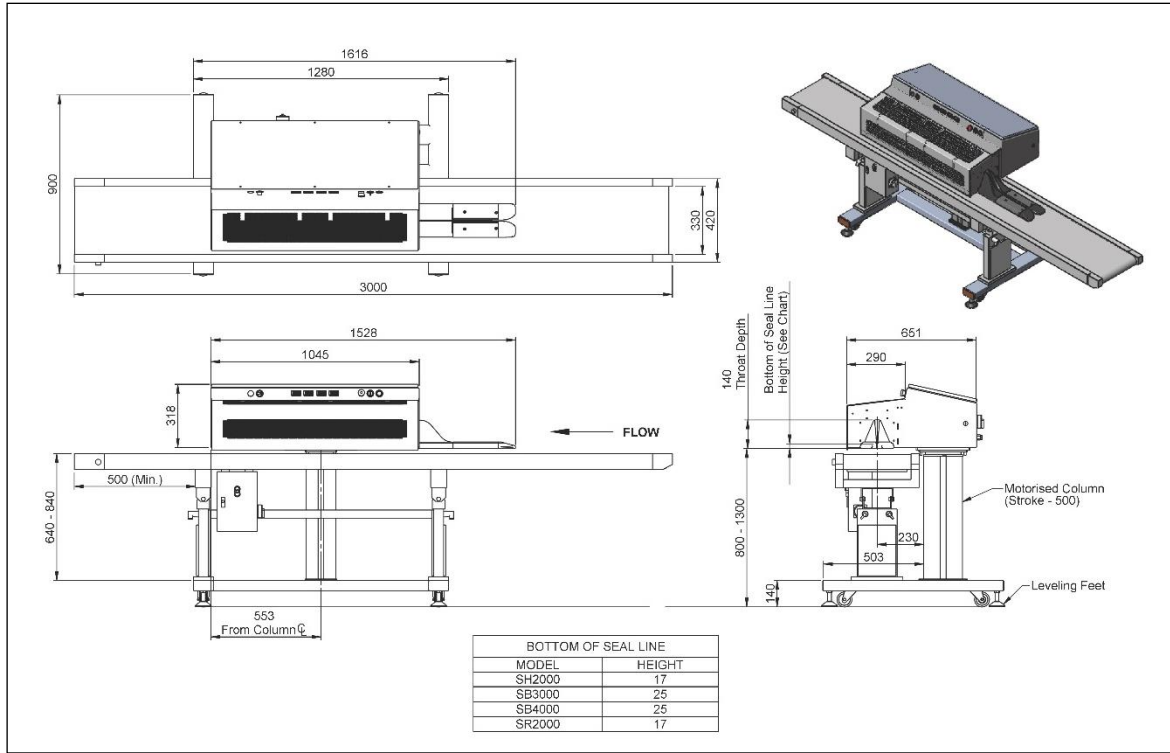## SB 3000 & SB 4000: Sealer head + Electrical column + Extension arm + Trolley

BOTTOM OF SEAL LINE	
MODEL	HEIGHT
SH2000	17
SB3000	25
SB4000	25
SR2000	17

SB 3000 & SB 4000: Sealer head at 90° + Electrical column + Trolley

BOTTOM OF SEAL LINE	
MODEL	HEIGHT
SH2000	18
SB3000	25
SB4000	25
SR2000	18

WARNING:
WHEN MANOEUVRE THE TROLLEY SEALER, ENSURE THE COLUMN IS FULLY RETRACTED INTO ITS LOWEST HEIGHT.
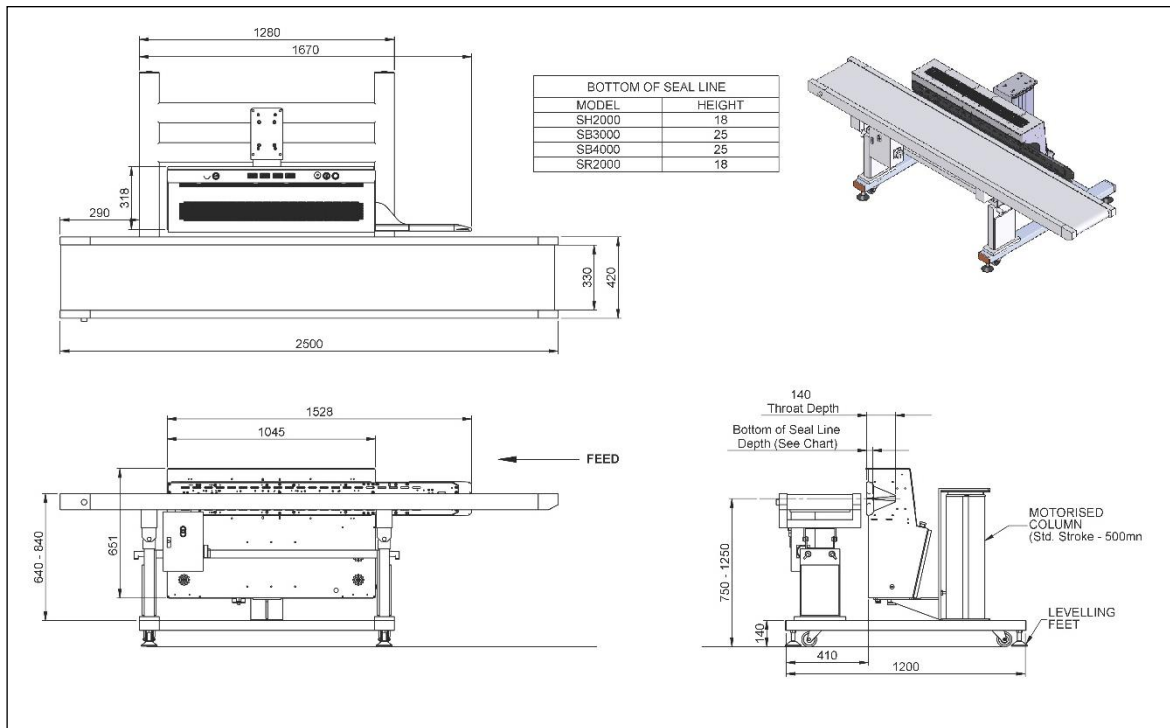
Non contractual pictures.
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SB 3000 & SB 4000: Sealer head + Electrical column + Mobile conveyor

BOTTOM OF SEAL LINE	
MODEL	HEIGHT
SH2000	17
SB3000	25
SB4000	25
SR2000	17

SB 3000 & SB 4000: Sealer head at 90° + Electrical column + Mobile conveyor

BOTTOM OF SEAL LINE	
MODEL	HEIGHT
SH2000	18
SB3000	25
SB4000	25
SR2000	18

Non contractual pictures.
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