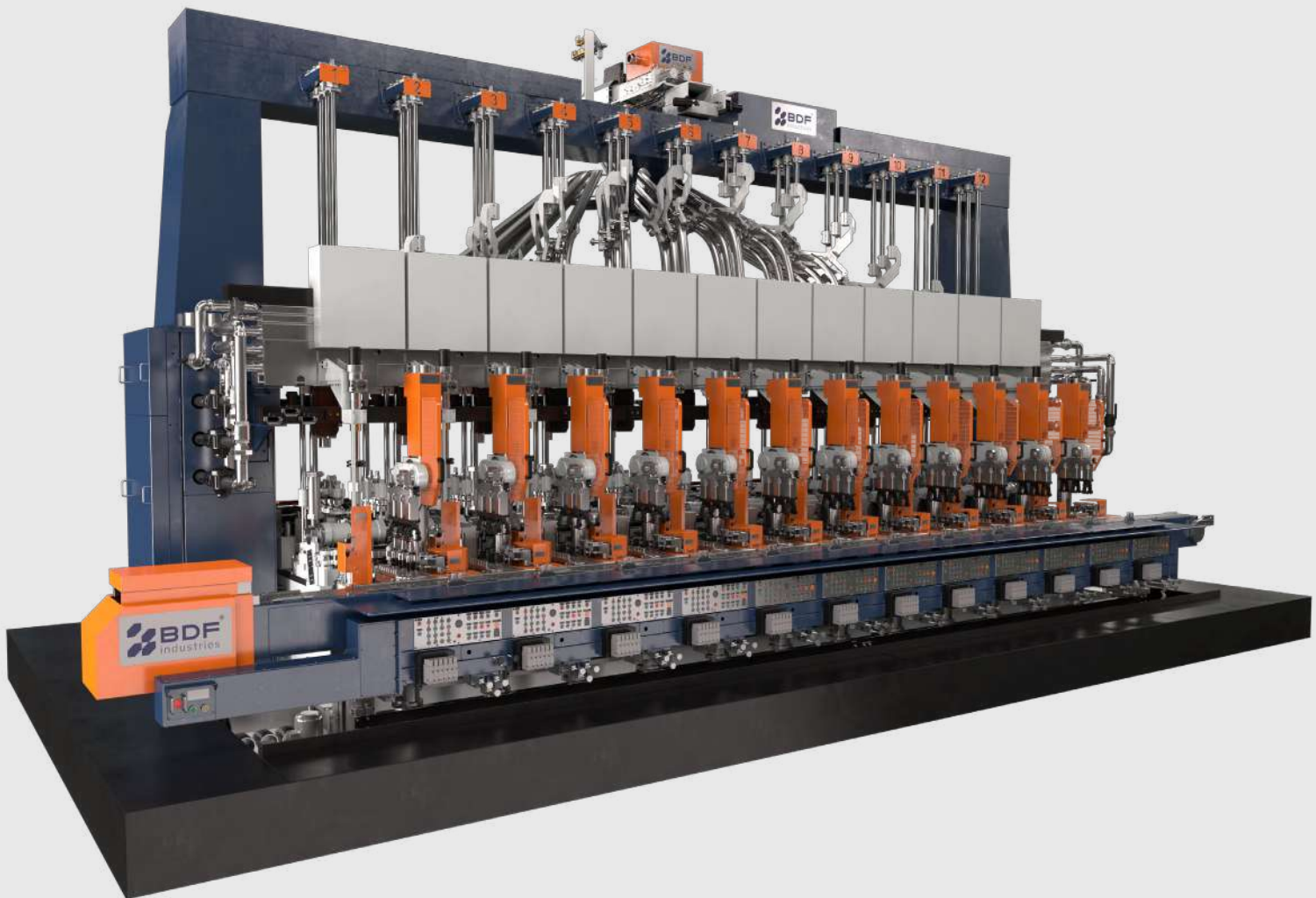


IS PARALLEL ADV 8050

8-10-12 SECTIONS AND TANDEM
IS-P: DG 6 ¼"-TG 4 ¼"



STANDARD MACHINE CONFIGURATION

FEEDER

- Servo plunger
- Gear type revolving tube mechanism
- Servo parallel Shear mechanism
- Shear spray system

DELIVERY SYSTEM

- Servo gob distributor SGD 330
- Costant Angle 30° Delivery system

MACHINE

- Parallel opening close mechanism
- 21 lines valve block
- Blank side axial cooling
- Blow side axial cooling
- Blow side vacuum system
- Series 300 2-line mechanisms:
Baffle Pantograph - Funnel - Blow head
- Servo Invert
- Servo Take Out with motor from the top

WARE HANDLING

- AP Pusher mechanism (dual motor)
- Conveyor
- Transfer wheel TRW 1305

TIMING SYSTEM

- ADV 8050

PROCESS

- Blow & Blow
- Press & Blow
- Narrow Neck Press and Blow (NNPB)

OPTIONAL

FEEDER

- Servo arcuate dual motor shear

DELIVERY SYSTEM

- Multi Direct Drive servo gob distributor X2/X3/X4

MACHINE

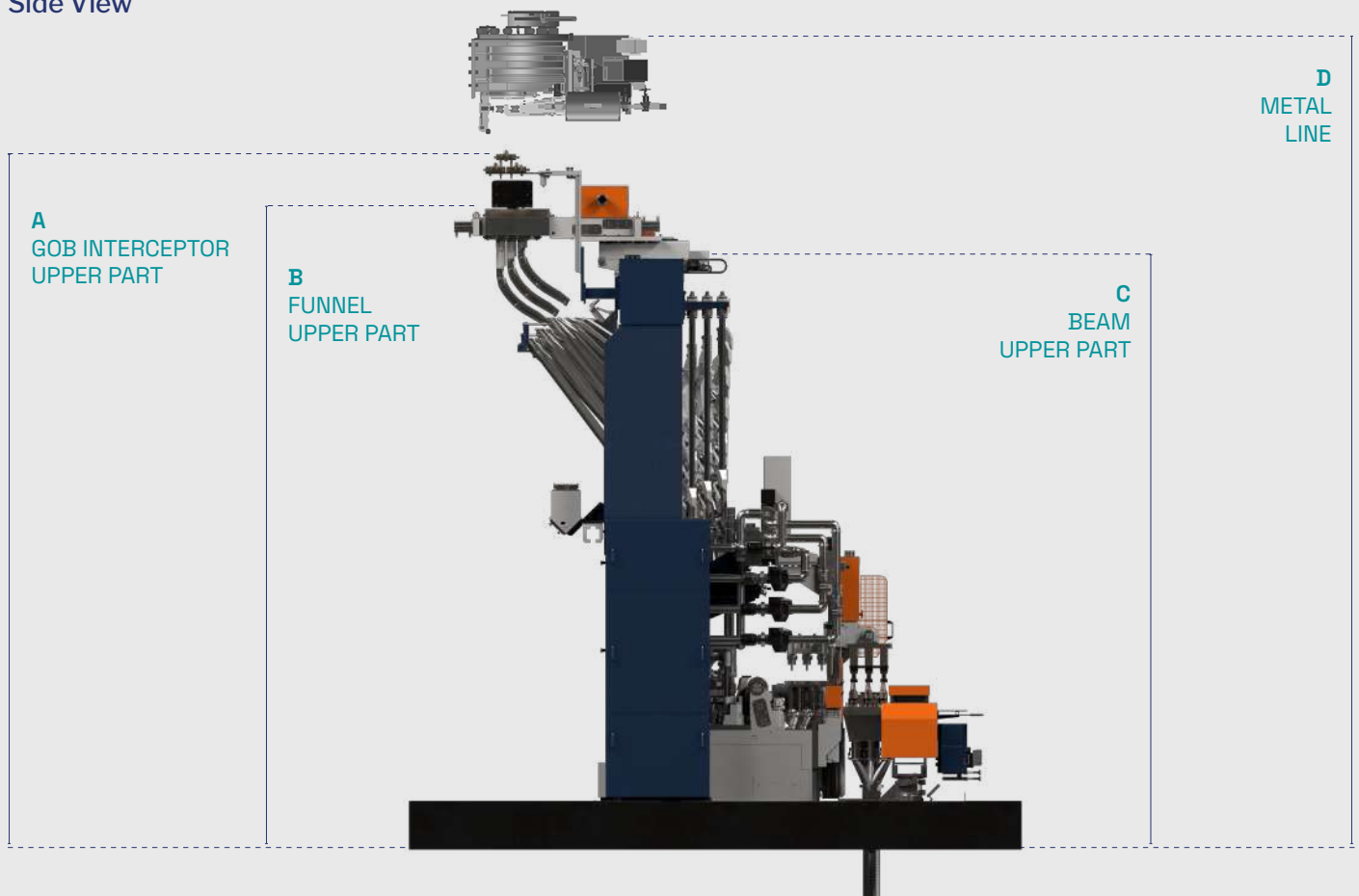
- Proportional valves:
Plunger up - Counter Blow - Final Blow
- IWS system
- PMPC
- Black Box
- Thermocontroller
- CWD

WARE HANDLING

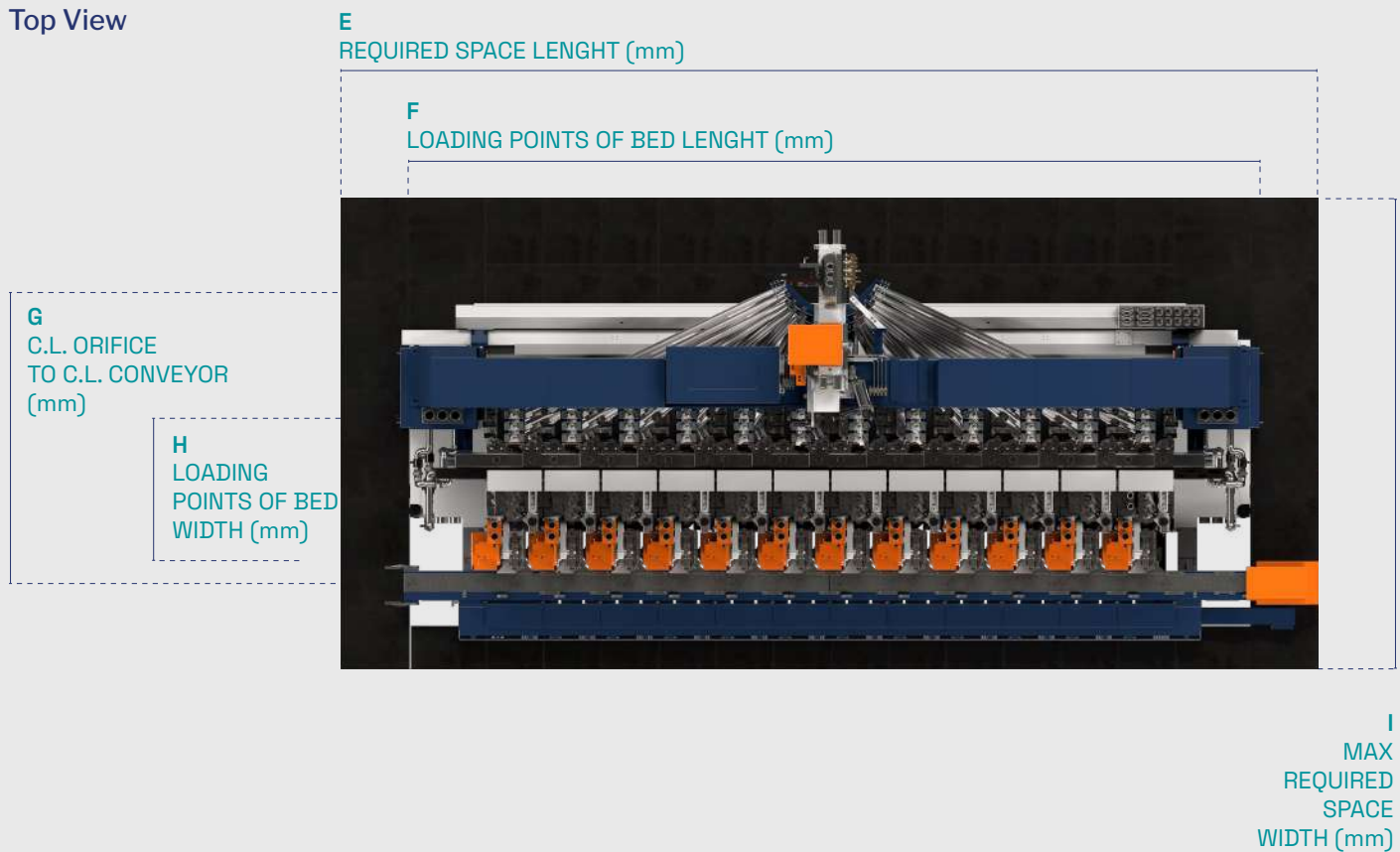
- Transfer wheel TRW HSS dual chain
- Air jet pusher

Technical Details

Side View



Top View



MACHINE TYPE

| ANGULAR M.O.C. | | | | | |
|----------------|----|-----------------|-----------------|------------|-------|
| IS-4"¼ | SG | DG 4"¼ (108 mm) | TG 3" (76 mm) | TG 80 | (3 ⅙) |
| IS-5 | SG | DG 5" (127 mm) | TG 85 | (3" 11/32) | |
| IS-5"½ | SG | DG 5"½ (140 mm) | | | |
| IS-6"¼ | SG | DG 6"¼ (159 mm) | TG 4"¼ (108 mm) | | |

| PARALLEL M.O.C. | | | |
|-----------------|-----------------|-----------------|--|
| IS-P 6"¼ | DG 6"¼ (159 mm) | TG 4"¼ (108 mm) | |

MACHINES DIMENSIONS

ANGULAR M.O.C.

SIDE VIEW (easy aligning version)

| DELIVERY | EASY ALIGNING | | | | | | | | | | | |
|--|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| MACHINES | IS-4"¼ | | | IS-5 | | | IS-5½ | | | IS-6¼ | | |
| SECTIONS | 6-8 | 10 | 12 | 6-8 | 10 | 12 | 6-8 | 10 | 12 | 6-8 | 10 | 12 |
| A GOB INTERCEPTOR UPPER PART (mm) | 3.666 | 3.975 | 4.380 | 3.705 | 3.975 | 4.380 | 3.765 | 4.065 | 4.455 | 3.765 | 4.065 | 4.455 |
| B FUNNEL UPPER PART (mm) | 3.470 | 3.780 | 4.180 | 3.505 | 3.780 | 4.180 | 3.565 | 3.865 | 4.255 | 3.565 | 3.865 | 4.255 |
| C BEAM UPPER PART (mm) | 3.065 | 3.375 | 3.775 | 3.100 | 3.375 | 3.775 | 3.160 | 3.460 | 3.850 | 3.160 | 3.460 | 3.850 |
| D METAL LINE (mm) | 4.800 | 5.000 | 5.400 | 4.800 | 5.000 | 5.400 | 4.800 | 5.200 | 5.600 | 4.800 | 5.200 | 5.600 |

SIDE VIEW (constant angle version)

| DELIVERY | CONSTANT ANGLE | | | | | | | | | | | |
|--|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| MACHINES | IS-4"¼ | | | IS-5 | | | IS-5½ | | | IS-6¼ | | |
| SECTIONS | 8B10 | 10 | 12 | 8B10 | 10 | 12 | 8B10 | 10 | 12 | 8B10 | 10 | 12 |
| A GOB INTERCEPTOR UPPER PART (mm) | 4.390 | 4.390 | 4.650 | 4.390 | 4.390 | 4.650 | 4.470 | 4.470 | 4.720 | 4.470 | 4.470 | 4.720 |
| B FUNNEL UPPER PART (mm) | 4.205 | 4.205 | 4.460 | 4.205 | 4.205 | 4.460 | 4.270 | 4.270 | 4.520 | 4.270 | 4.270 | 4.520 |
| C BEAM UPPER PART (mm) | 3.805 | 3.805 | 4.055 | 3.805 | 3.805 | 4.055 | 3.865 | 3.865 | 4.120 | 3.865 | 3.865 | 4.120 |
| D METAL LINE (mm) | 5.500 | 5.500 | 5.800 | 5.500 | 5.500 | 5.800 | 5.600 | 5.600 | 5.900 | 5.600 | 5.600 | 5.900 |

TOP VIEW

| MACHINES | IS-4 ¹ / ₄ | | | | IS-5 | | | | IS-5 ¹ / ₂ | | | | IS-6 ¹ / ₄ | | |
|---|----------------------------------|-------|-------|-------|-------|-------|-------|-------|----------------------------------|-------|-------|-------|----------------------------------|-------|-------|
| | 6 | 8 | 10 | 12 | 6 | 8 | 10 | 12 | 6 | 8 | 10 | 12 | 8 | 10 | 12 |
| E REQUIRED SPACE LENGHT (mm) | 5.180 | 6.250 | 7.315 | 8.380 | 5.180 | 6.250 | 7.315 | 8.380 | 5.180 | 6.250 | 7.315 | 8.380 | 6.250 | 7.315 | 8.380 |
| F LOADING POINTS OF BED LENGHT (mm) | 4.480 | 5.547 | 6.614 | 7.680 | 4.480 | 5.547 | 6.615 | 7.680 | 4.480 | 5.550 | 6.615 | 7.680 | 5.550 | 6.615 | 7.680 |
| G C. L. ORIFICE TO C. L. CONVEYOR (mm) | 2.397 | 2.397 | 2.397 | 2.657 | 2.417 | 2.417 | 2.417 | 2.786 | 2.565 | 2.565 | 2.565 | 2.825 | 2.621 | 2.621 | 2.881 |
| H LOADING POINTS OF BED WIDTH (mm) | 1.465 | 1.465 | 1.465 | 1.465 | 1.465 | 1.465 | 1.465 | 1.465 | 1.465 | 1.465 | 1.465 | 1.465 | 1.465 | 1.465 | 1.465 |
| I MAX REQUIRED SPACE (mm) | 5.300 | 5.300 | 5.300 | 5.300 | 5.300 | 5.300 | 5.300 | 5.300 | 5.300 | 5.300 | 5.300 | 5.300 | 5.300 | 5.300 | 5.300 |

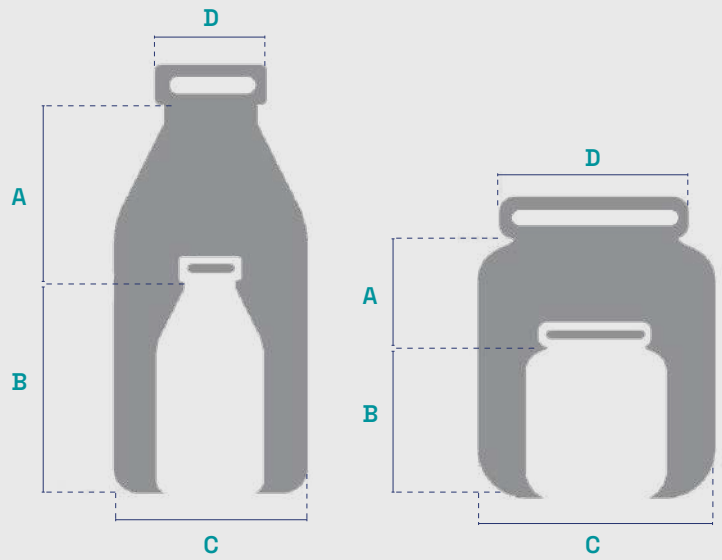
PARALLEL M.O.C.

SIDE VIEW

| DELIVERY | EASY ALIGNING | | | CONSTANT ANGLE | | |
|--|------------------------------------|-------|-------|----------------|-------|-------|
| MACHINES | IS-P 6 ¹ / ₄ | | | | | |
| SECTIONS | 8 | 10 | 12 | 8 | 10 | 12 |
| A GOB INTERCEPTOR UPPER PART (mm) | 3.762 | 4.062 | 4.452 | 4.470 | 4.470 | 4.720 |
| B FUNNEL UPPER PART (mm) | 3.565 | 3.865 | 4.265 | 4.270 | 4.720 | 4.520 |
| C BEAM UPPER PART (mm) | 3.160 | 3.460 | 3.850 | 3.865 | 3.865 | 4.120 |
| D METAL LINE (mm) | 4.800 | 5.200 | 5.600 | 5.600 | 5.600 | 5.900 |

TOP VIEW

| MACHINES | IS-P 6 ¹ / ₄ | | |
|---|------------------------------------|-------|-------|
| SECTIONS | 8 | 10 | 12 |
| E REQUIRED SPACE LENGHT (mm) | 6.247 | 7.314 | 8.380 |
| F LOADING POINTS OF BED LENGHT (mm) | 5.547 | 6.614 | 7.680 |
| G C. L. OREFICE TO C. L. CONVEYOR (mm) | 2.621 | 2.621 | 2.881 |
| H LOADING POINTS OF BED WIDTH (mm) | 1.465 | 1.465 | 1.465 |
| D MAX REQUIRED SPACE WIDTH (mm) | 5.300 | 5.300 | 5.300 |



PRODUCTION LIMIT TABLE

| ANGULAR M.O.C. | | | | | | | | | | | | |
|---|---------|-----|-------|-----------------|-------|-----|-------|---------|-----|---------|-----|---------|
| MACHINES | IS 4" ¼ | | | | IS 5" | | | IS 5" ½ | | IS 6" ¼ | | |
| CONFIGURATION | SG | DG | TG 3" | TG 80 (3" ½) | SG | DG | TG 85 | SG | DG | SG | DG | TG 4" ¼ |
| BLOW-BLOW | | | | | | | | | | | | |
| MAX HEIGHT UNDER FINISH (mm) (A) | 360 | 301 | 276 | 140 | 360 | 325 | 245 | 389 | 342 | 389 | 342 | 287 |
| MIN HEIGHT UNDER FINISH (mm) (B) | 74 | 58 | 59 | 25 | 74 | 73 | 95 | 74 | 68 | 74 | 115 | 30 |
| MAX BODY DIAMETER (mm) WITH STACK COOLING (C) | 178 | 90 | 51 | 60 | 178 | 102 | 62 | 178 | 111 | 178 | 130 | 80 |
| MAX BODY DIAMETER (mm) WITH STACK COOLING/VACUUM (C) | 170 | 76 | 45 | 50 | 170 | 95 | 54 | 170 | 102 | 170 | 121 | 76 |
| MAX BODY DIAMETER (mm) WITH VERTICAL BLOW COOLING (C) | 156 | 76 | 45 | 50 | 156 | 95 | 60 | 156 | 102 | 156 | 121 | 76 |
| MAX FINISH DIAMETER (mm) (D) | 48 | 48 | 30 | 35 | 48 | 48 | 30 | 48 | 48 | 48 | 48 | 48 |
| PRESS-BLOW/NNPB | | | | | | | | | | | | |
| MAX HEIGHT UNDER FINISH (mm) (A) | 285 | 282 | 268 | 140 | 265 | 290 | 213 | 320 | 300 | 320 | 300 | 268 |
| MIN HEIGHT UNDER FINISH (mm) (B) | 74 | 40 | 47 | 45 | 74 | 55 | 75 | 65 | 58 | 74 | 105 | 30 |
| MAX BODY DIAMETER (mm) WITH STACK COOLING (C) | 178 | 90 | 51 | 60 | 178 | 102 | 62 | 178 | 111 | 178 | 130 | 80 |
| MAX BODY DIAMETER (mm) WITH STACK COOLING/VACUUM (C) | 170 | 80 | 45 | 50 | 170 | 95 | 54 | 170 | 102 | 170 | 121 | 76 |
| MAX BODY DIAMETER (mm) WITH VERTICAL BLOW COOLING (C) | 156 | 76 | 51 | 50 | 156 | 95 | 60 | 156 | 102 | 156 | 121 | 76 |
| MAX FINISH DIAMETER (mm) (D) | 120 | 83 | 38 | 45 | 120 | 90 | 55 | 120 | 90 | 120 | 90 | 70 |

| MACHINES | IS 4" ¼ | | | | IS 5" | | | IS 5" ½ | | IS 6" ¼ | | |
|---|---------|-----|-------|-----------------|-------|-----|-------|---------|-----|---------|-----|---------|
| | SG | DG | TG 3" | TG 80 (3" ¼) | SG | DG | TG 85 | SG | DG | SG | DG | TG 4" ¼ |
| NNPB | | | | | | | | | | | | |
| MAX HEIGHT UNDER FINISH (mm) (A) | | 282 | 268 | 140 | | 290 | 213 | | 300 | | 300 | 268 |
| MIN HEIGHT UNDER FINISH (mm) (B) | | 40 | 47 | 45 | | 55 | 75 | | 58 | | 105 | 30 |
| MAX BODY DIAMETER (mm) WITH STACK COOLING (C) | | 90 | 51 | 60 | | 102 | 62 | | 111 | | 130 | 80 |
| MAX BODY DIAMETER (mm) WITH STACK COOLING/VACUUM (C) | | 80 | 45 | 50 | | 95 | 54 | | 102 | | 121 | 76 |
| MAX BODY DIAMETER (mm) WITH VERTICAL BLOW COOLING (C) | | 76 | 45 | 50 | | 95 | 60 | | 102 | | 121 | 76 |
| MAX FINISH DIAMETER (mm) (D) | | 38 | 38 | 38 | | 38 | 38 | | 38 | | 38 | 38 |

PARALLEL M.O.C.

| MACHINES | IS-P 6" ¼ | |
|--|------------------|------------------|
| CONFIGURATION | DG 6" ¼ (159 mm) | TG 4" ¼ (108 mm) |
| BLOW-BLOW | | |
| MAX HEIGHT UNDER FINISH (mm) (A) | 345 | 305 |
| MIN HEIGHT UNDER FINISH (mm) (B) | 115 | 105 |
| MAX BODY DIAMETER (mm) WITH BLOW AXIAL COOLING (C) | 121 | 76 |
| MAX BODY DIAMETER (mm) WITH DOWN-UP COOLING (C) | 121 | 76 |
| MAX FINISH DIAMETER (mm) (D) | 48 | 48 |
| PRESS-BLOW/NNPB | | |
| MAX HEIGHT UNDER FINISH (mm) (A) | 300 | 285 |
| MIN HEIGHT UNDER FINISH (mm) (B) | 105 | 86 |
| MAX BODY DIAMETER (mm) WITH BLOW AXIAL COOLING (C) | 121 | 76 |
| MAX BODY DIAMETER (mm) WITH DOWN-UP COOLING (C) | 121 | 76 |
| MAX FINISH DIAMETER (mm) (D) | 105 | 70 |
| MAX FINISH DIAMETER (mm) NNPB (D) | 38 | 38 |

STANDARD SERVICE REQUIREMENT

| ANGULAR M.O.C. | | | | | | | | | | | | | | |
|-------------------------|----------|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| MACHINES | PRESSURE | | IS-4" ¼ – IS-5 | | | | | | IS-5 ½ – IS-6 ¼ | | | | | |
| | | | 8 | | 10 | | 12 | | 8 | | 10 | | 12 | |
| | P.S.I. | kg/cm ² | ft ³ /min | Nm ³ /min | ft ³ /min | Nm ³ /min | ft ³ /min | Nm ³ /min | ft ³ /min | Nm ³ /min | ft ³ /min | Nm ³ /min | ft ³ /min | Nm ³ /min |
| L.P. COMPRESSED AIR | 34,8 | 2,4 | 282 | 8 | 353 | 10 | 424 | 12 | 311 | 8,8 | 388 | 11 | 466 | 13,2 |
| H.P. COMPRESSED AIR | 50,75 | 3,5 | 847 | 24 | 1.059 | 30 | 1.271 | 36 | 1.073 | 30,4 | 1.342 | 38 | 1.610 | 45,6 |
| P&B - PLUNGER COOLING* | 50,75 | 3,5 | 282 | 8 | 353 | 10 | 424 | 12 | 339 | 9,6 | 424 | 12 | 508 | 14,4 |
| NNPB - PLUNGER COOLING* | 87 | 6 | 282 | 8 | 353 | 10 | 424 | 12 | 339 | 9,6 | 424 | 12 | 508 | 14,4 |
| VACUUM BLOW MOLD | 25*Hg | 635mm Hg | 226 | 6,4 | 282 | 8 | 339 | 9,6 | 226 | 6,4 | 282 | 8 | 339 | 9,6 |
| VACUUM BLANK SIDE | 25*Hg | 635mm Hg | 113 | 3,2 | 141 | 4 | 169 | 4,8 | 113 | 3,2 | 141 | 4 | 169 | 4,8 |
| MACHINE COOLING AIR | 49* WC | 1250mm WC | 18.361 | 520 | 22.952 | 650 | 27.542 | 780 | 22.598 | 640 | 28.248 | 800 | 33.898 | 960 |
| CONVEYOR COOLING AIR** | 26*WC | 650mm WC | 4.237 | 120 | 5.297 | 150 | 6.356 | 180 | 4.237 | 120 | 5.297 | 150 | 6.3566 | 180 |
| COOLING WATER | 30 | 2 | | 15 l/min | | 15 l/min | | 15 l/min | | 15 l/min | | 15 l/min | | 15 l/min |

| PARALLEL M.O.C. | | | | | | | | | |
|-------------------------|----------|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|--|
| MACHINES | PRESSURE | | IS-4" ¼ – IS-5 | | | | | | |
| | | | 8 | | 10 | | 12 | | |
| | P.S.I. | kg/cm ² | ft ³ /min | Nm ³ /min | ft ³ /min | Nm ³ /min | ft ³ /min | Nm ³ /min | |
| L.P. COMPRESSED AIR | 34,8 | 2,4 | 311 | 8,8 | 388 | 11 | 466 | 13,2 | |
| H.P. COMPRESSED AIR | 50,75 | 3,5 | 1.073 | 30,4 | 1.342 | 38 | 1.610 | 45,6 | |
| P&B - PLUNGER COOLING* | 50,75 | 3,5 | 339 | 9,6 | 424 | 12 | 508 | 14,4 | |
| NNPB - PLUNGER COOLING* | 87 | 6 | 339 | 9,6 | 424 | 12 | 508 | 14,4 | |
| VACUUM BLOW MOLD | 25*Hg | 635mm Hg | 226 | 6,4 | 282 | 8 | 339 | 9,6 | |
| VACUUM BLANK SIDE | 25*Hg | 635mm Hg | 113 | 3,2 | 141 | 4 | 169 | 4,8 | |
| MACHINE COOLING AIR | 55* WC | 1400mm WC | 19.209 | 544 | 24.011 | 680 | 28.813 | 816 | |
| CONVEYOR COOLING AIR** | 26*WC | 650mm WC | 4.237 | 120 | 5.297 | 150 | 6.356 | 180 | |
| COOLING WATER | 30 | 2,1 | | 15 l/min | | 15 l/min | | 15 l/min | |

* For PB-NNPB plunger cooling pressures above 3.15 Kg/cm² (if required by the customer)

** Value referred to Stack Cooling blank side and Vertiflow blow side

*** Value referred to Axial Cooling blank side and Axial Cooling or Vertiflow blow side

• Quantities specified are free air (21°C-70°F and 1 Kg/cm²-14.7 p.s.i.)

• The operating air supply must be clean and dry (it is required the installation of drying and filter system before the piping connection to the machine with an efficiency of 98% and a nominal retention of 4 ÷ 10 µ)

• Maximum temperature of compressed air supply to the machine = 80°C

• Minimum temperature of compressed air supply to the solenoid valve block = 10°C • Pilot air (Valve Block) 0.5 m³/min of free air at 21°C (clean, oil and water free) • Dew point of compressed air: -5 ÷ -2 °C

• Water hardness 100 parts CaCO₃ per 1,000,000 parts of water (P.P.M.)