

FAMA®

IS Machines

#shaping
transformation.

“LSG”

- **Productive** IS machine with Quadruple Gob: 3 ¾", 4", 3 ¾", between cavities with conversion into 5" TG. It has the ideal characteristics to produce BB and NNPB containers.
- Servo gob distributor of one motor per cavity to perform at maximum precision in the gob delivery.
- Equipped with Servo Invert and Servo Takeout for better product handling during the forming process.
- Axial cooling on the mold side and blank side to improve temperature control that provides lighter containers and increases speed
- "Closed loop" process control system for production and quality critical variables.

“E”

- DG 4 1/4" traditional "E" IS machine with conversion into SG, focused on a **detailed** production.
- This machine model has its own 3 1/2" TG version.
- The wide manufacturing range and variable equipment simplicity make this machine an excellent option for short runs or frequent mold shifts.
- Versatility to work on BB, PB, and NNPB processes
- It can be equipped with a pneumatic mechanism or Servo Invert and Servo Takeout mechanism
- The essential machine section can be equipped from the most basic level to the highest technological advances for the NNPB process control

“F”/“SF”

- TG 4 ¼" **versatile** high-speed IS machine with conversion into DG 6 ¼" and SG. It has the ideal characteristics to produce glass containers in BB, PB, and NNPB.
- It can work with Axial Cooling in TG and DG.
 - This enables mold cooling during the 360° machine cycle, thus increasing the high productivity.
 - Improves blank temperature control giving, as a result, lighter containers and higher machine speed
- TG, DG, and SG universal Blank Mold Support that reduces the time of conversion system
- Equipped with Servo Invert and Servo Takeout mechanisms
- Tested “closed loop” process control system for critical variables of quality and production
- Delivery equipment and gob distribution system of proven efficiency developed for better alignment and gauging.

“LSG”

QG

TG

11 ½”

10”

BB/PB
NNPB

BB/PB
NNPB

10, 12

“E”

TG

DG

SG

3 ½”

4 ¼”

-

BB/PB
NNPB

BB/PB
NNPB

BB/PB

6, 8, 10

“F”/“SF”

TG

DG

SG

4 ¼”

6 ¼”

-

BB/PB
NNPB

BB/PB
NNPB

BB/PB

2, 4, 6, 8, 10

IS Machine “LSG”

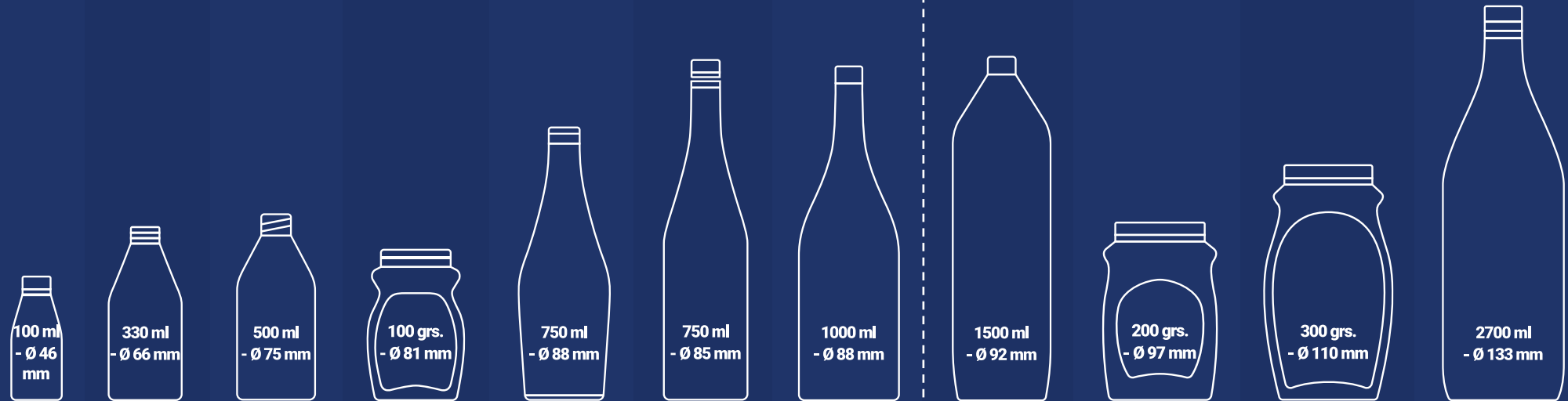
“LSG”

- **Productive** IS machine with Quadruple Gob: 3 ¾", 4", 3 ¾", between cavities with conversion into 5" TG. It has the ideal characteristics to produce BB and NNPB containers.
- Servo gob distributor of one motor per cavity to perform at maximum precision in the gob delivery.
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“LSG”

350 mm Max. height T.G 10”

247 mm Max. height quad. 11/ ½”



Prod. range quad. 11 ½”

Production range for D.G. 6 ¼”

“LSG”

General Information

Sections	10,12	
Gobs	Triple	Quadruple
CD	10"	11 ½"
Process	BB/PB/NNPB	BB/PB/NNPB

Process, colling and limits

		11 ½" QG		10" TG	
Process	BB	.	.	.	.
	NNPB	.	.	.	.
		Blank	Blank	Blank	Blank
Cooling	Axial	.	.	.	.
	Cage	.	.	.	.
Max. diamenter	BB	2.625" (66.6 mm)		3.465" (88 mm)	
	NNPB	2.625" (66.6 mm)		3.465" (88 mm)	
Max. Total Heght under finishs	BB	9.750" (247.6 mm)		13.780" (350 mm)	
	NNPB	9.750" (247.6 mm)		12.705" (322.7 mm)	

“LSG”

Delivery system: scoop direct gob delivery

Type **A**

Sections	Gob	CD	W	P	I	A	C
10	T / Q	10" – 11 ½"	207 5/8"	43 ½"	65 ¾"	107 7/8"	57 ¾"
12	T / Q	10" – 11 ½"	236"	43 ¾"	64 ½"	122 ¼"	60 ¼"

Type **B**

Sections	Gob	CD	W	P	I	A	C
10	Q	11 ½"	252"	44 5/8"	70 ¼"	122 ¼"	50 ½"
12	T	10"	252"	44 5/8"	70 ¼"	122 ¼"	50 ½"

IS Machine “E”

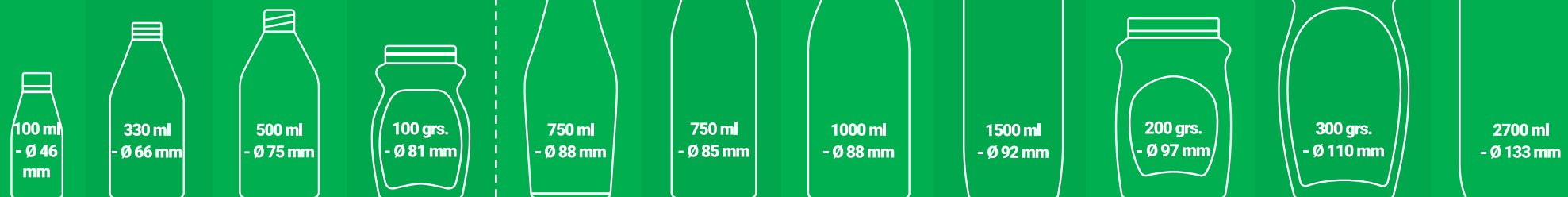
“E”

- DG 4 1/4" traditional "E" IS machine with conversion into SG, focused on a detailed production.
- This machine model has its own 3 1/2" TG version.
- The wide manufacturing range and variable equipment simplicity make this machine an excellent option for short runs or frequent mold shifts.
- Versatility to work on BB, PB, and NNPB processes
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“E”

355 mm Max. height S.G. 4 1/4”

285 mm Max. height D.G. 4 1/4”



Production range for D.G. 4 1/4”

Production range for S.G. 4 1/4”

“E”

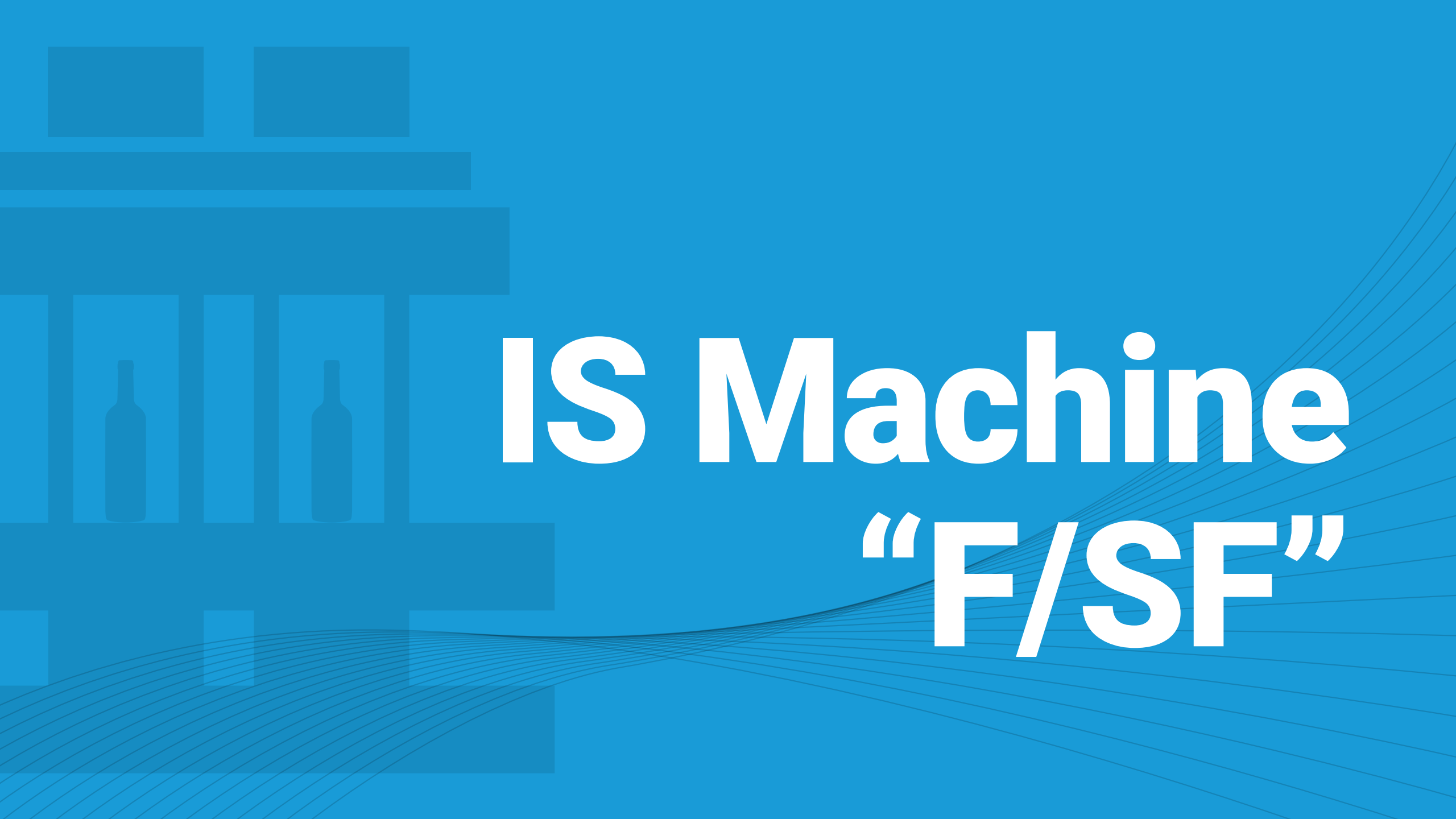
General Information			
Sections	6, 8 & 10		
Gobs	Simple	Doble	Triple
CD	-	4 ¼"	3 ½"
Process	BB/PB	BB/PB/NNPB	BB/PB/NNPB

		Process, colling and limits					
Process		4 ¼ DG		SC		3 ½" TG	
	BB	•		•		•	
	PB	•		•		•	
	NNPB	•		•		•	
Cooling		Blank	Blank	Blank	Blank	Blank	Blank
	Axial	•	•				
	Stack	•	•	•	•	•	•
	Cage	•					•
	Verti Flow		•		•		•
Max. diamenter	BB	3 3/16" (81) mm		6 9/16" (166.7 mm)		2 ½" (63.5 mm)	
	NNPB	3 3/16" (81) mm		-		2 ½" (63.5 mm)	
	PB	3 3/16" (81) mm		6 9/16" (166.7 mm)		2 ½" (63.5 mm)	
Max. Total Heght under finishes	BB	11 ¼" (285.7mm)		14" (355.6 mm)		10 ½" (266.7 mm)	
	NNPB	11" (279.4 mm)		-		10 ½" (266.7 mm)	
	PB	9" (228.6 mm)		10" (254 mm)		10 ½" (266.7 mm)	

“E”

Delivery system: scoop direct gob delivery

Sections	Gob	CD	W	P	I	A	C
6	S / D	4 ¼”	184 7/8”	37”	59 ¼”	95 15/32”	50”
6	T	3 ½”	184 ¼”	36 ½”	59 ¼”	95 17/32”	50”
8	S / D	4 ¼”	177 ½”	37”	59 ¼”	95 15/32”	50”
8	T	3 ½”	180”	36 ½”	59 ¼”	95 17/32”	50”
10	S / D	4 ¼”	188 ¼”	39 5/8”	59 ¼”	95 15/32”	50”
10	T	3 ½”	192”	36 ½”	59 ¼”	95 17/32”	50”

The background is a solid blue color. On the left side, there is a stylized, semi-transparent graphic of a shelf with two bottles. The shelf is composed of several horizontal bars of varying lengths. Two bottles are placed on the shelf, one on the left and one on the right. The bottles are also semi-transparent and have a simple, rounded shape. In the bottom right corner, there are several thin, white, curved lines that sweep across the background, creating a sense of motion or depth.

IS Machine “F/SF”

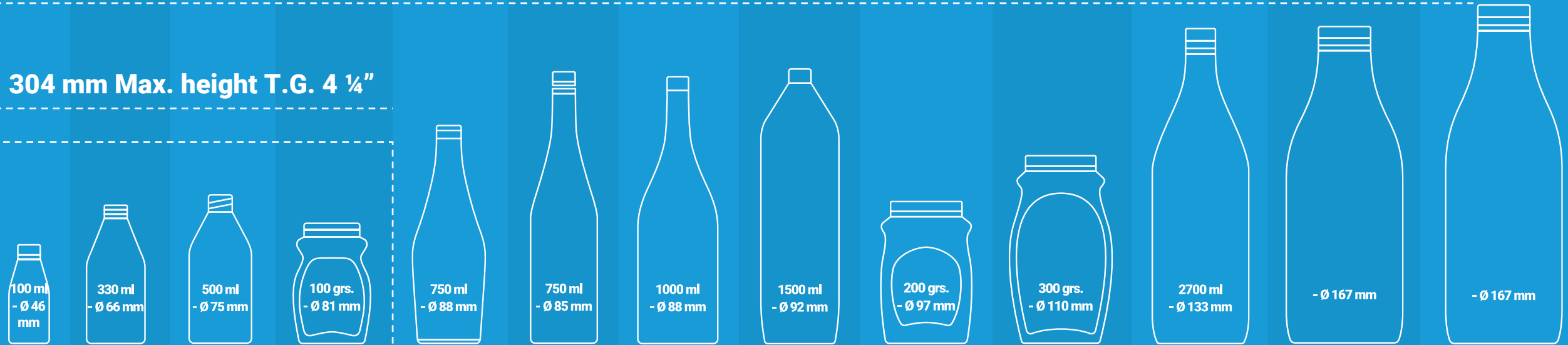
“SF”
“F”

- TG 4 ¼" versatile high-speed IS machine with conversion into DG 6 ¼" and SG. It has the ideal characteristics to produce glass containers in BB, PB, and NNPB.
- It can work with Axial Cooling in TG and DG.
- This enables mold cooling during the 360° machine cycle, thus increasing the high productivity.
- Improves blank temperature control giving, as a result, lighter containers and higher machine speed
- TG, DG, and SG universal Blank Mold Support that reduces the time of conversion system
- Equipped with Servo Invert and Servo Takeout mechanisms
- Tested “closed loop” process control system for critical variables of quality and production
- Delivery equipment and gob distribution system of proven efficiency developed for better alignment and gauging.

“F”/“SF”

393 mm Max. height S.G. and D.G.

304 mm Max. height T.G. 4 ¼”



Production range for T.G. 4 ¼”

Production range for D.G. 6 ¼”

Production range for S.G.

“F” / “SF”

General Information

Sections	8, 10, 12		
Gobs	Simple	Doble	Triple
CD	-	6 ¼"	4 ¼"
Process	BB/PB	BB/PB/NNPB	BB/PB/NNPB

Process, colling and limits

Process	4 ¼ TG		6 ¼" DG		SG	
	BB	PB	NNPB	BB	PB	NNPB
Cooling		Blank	Blank	Blank	Blank	Blank
	Axial	•	•	•	•	•
	Stack			•	•	•
	Cage	•		•		•
	Verti Flow				•	•
Max. diamenter	BB	3 1/16" (77.7 mm)	3 1/16" (81 mm)	5 1/4" (133.3 mm)	5 1/4" (133.3 mm)	6 9/16" (166.6 mm)
	NNPB	3 1/16" (81 mm)	3 1/16" (81 mm)	5 1/4" (133.3 mm)	5 1/4" (133.3 mm)	6 9/16" (166.6 mm)
	PB	2 5/16" (74.6 mm)	2 5/16" (74.6 mm)	3 1/16" (93.6 mm)	3 1/16" (93.6 mm)	-
Max. Total Heght under finishs	BB	12" (304.8 mm)	12" (304.8 mm)	15 1/2" (393.7 mm)	15 1/2" (393.7 mm)	15 ½ (393.7 mm)
	NNPB	11" (279.4 mm)	11" (279.4 mm)	11" (279.4 mm)	11" (279.4 mm)	11 ½ (292.1 mm)
	PB	11" (279.4 mm)	11" (279.4 mm)	13" (330.2 mm)	13" (330.2 mm)	-

“F” / “SF”

Delivery system: scoop direct gob delivery

Sections	Gob	CD	W	P	I	A	C
8	S / D / T	6 ¼" 4 ¼"	185"	38 ¼"	65 3/8"	102 23/32"	56 7/8"
10	S / D / T	6 ¼" 4 ¼"	193"	38 ¼"	65"	102 23/32"	56 7/8"
12	D / T	6 ¼" 4 ¼"	217"	41 1/8"	65 ½"	118 17/32"	50"