

Full Servo Control
Control mediante Servos

BMS 2.0

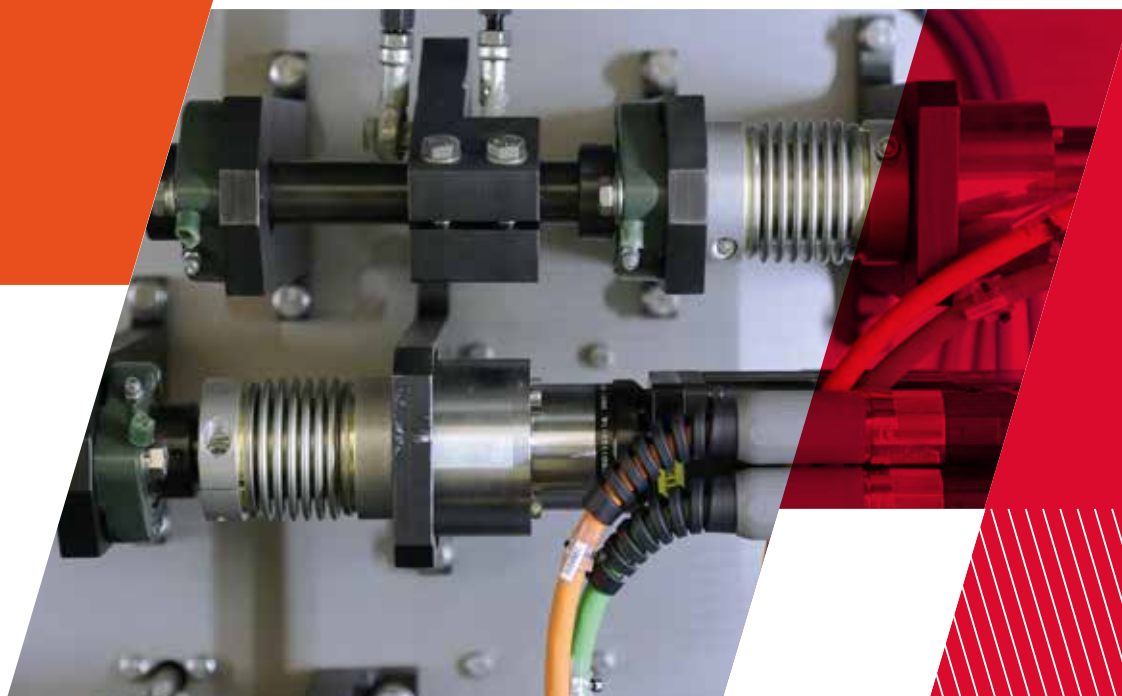
BMS 2.4

BMS 2.6

BMS 3.3

BMS 4.2

BMS 5.5



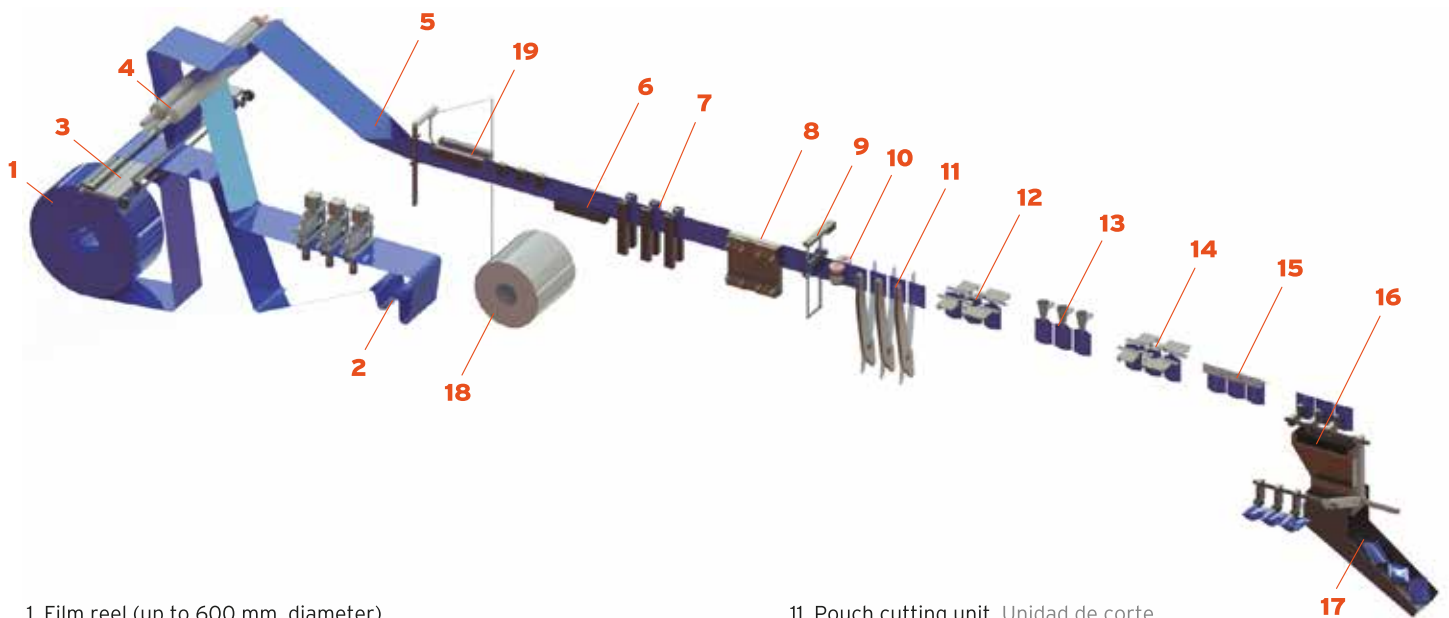
BOSSAR
Creating the future



Operational drawings BMS Esquemas operativos BMS

BMS S / FLT-3 Z

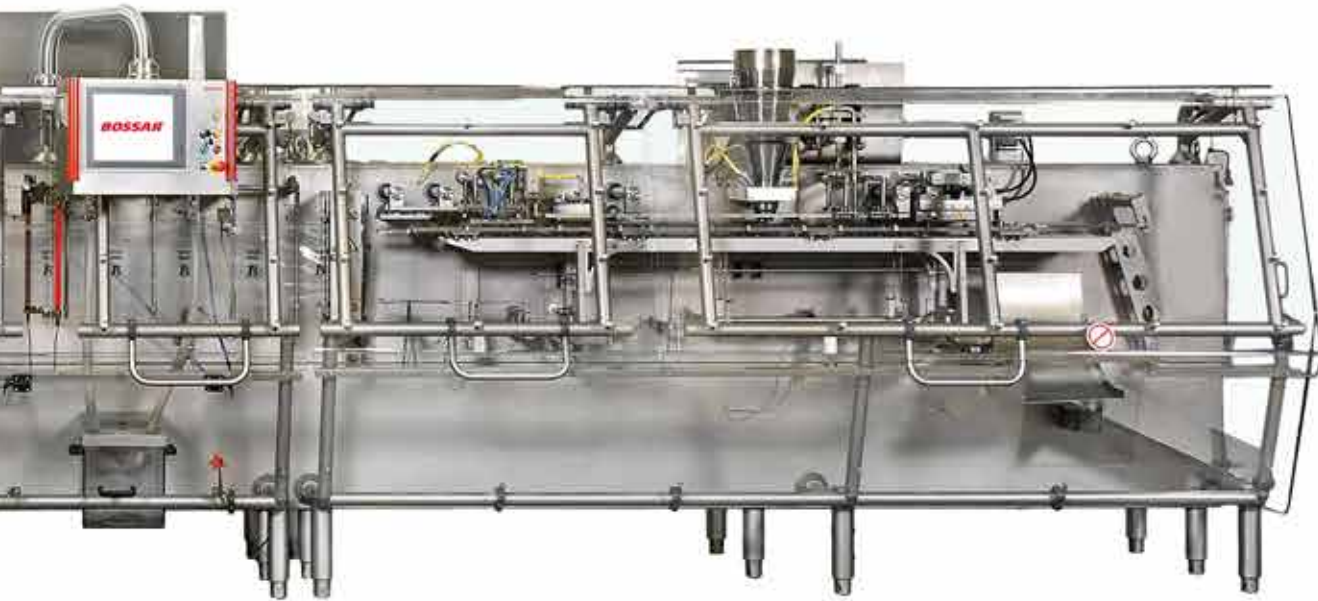
Example of zipper configuration
Ejemplo configuración con zipper



1. Film reel (up to 600 mm. diameter)
Bobina film (hasta 600 mm. diámetro)
2. Film tensioning and buffering system
Desbobinado y rodillos tensores
3. Film splice table Mesa empalme bobina
4. Film unwind Desbobinador film
5. Forming plough Triángulo formador
6. Bottom seal Soldadura inferior
7. Vertical seals Soldaduras verticales
8. Film cooling Refrigeración film
9. Photocell for print registration Fococélula impresión
10. Film transport Transporte film

11. Pouch cutting unit Unidad de corte
12. Pouch opening Abertura bolsa
13. Filling station Estación de llenado
14. Pouch stretching station Estación de estirado
15. Top seal Soldadura superior
16. Pouch discharge Descarga bolsa
17. Rejected pouch discharge Rechazo bolsa
18. Zipper unwind Desbobinador zipper
19. Zipper seal Soldadura zipper

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Pouch Types Tipos de bolsas



Flat 3-side seal Flat 4-side seal Twin sachets Flat with eurohole Flat with display perforation Flat with partial shape Flat with valve Flat with total shape Wet wipes Gusset bottom Stand up



Stand up with shaped top seal Stand up with laser cut Stand up with reclosable zipper Slide zipper Stand up with top handle Stand up with top shape Stand up with pouring shape Stand up with side bottom shape Stand up with side shape Stand up with inclined sides Stand up with "sexy" shape



Stand up with jar shape Stand up with straw Stand up with spray valve Stand up with side handle Stand up with top valve Shaped stand up with top valve Stand up with corner valve Stand up with valve and side handle Shape stand up with handle and corner valve Stand up with front valve Stand up with total shape and top valve



Zona soldaduras verticales con sistema de movimiento en paralelo.
Parallel motion vertical sealing bars.



Grupo de corte de bolsas con triple hoja para corte de bolsas con forma parcial.
Triple scissor pouch cutting group to form partial shaped pouches.



Guías y grupos paso a paso para alimentación válvulas con pinzas de inserción válvulas accionadas mediante servo.
Guide rails and sequential grouping to feed valves with servo-controlled valve insertion finger clamps.

TECHNICAL DATA	BMS 2.0	BMS 2.4	BMS 3.3	BMS 4.2	BMS 5.5
Transport system	Servo-motorized grippers				
Reel diameter	600 mm	600 mm	600 mm	600 mm	600 mm
Reel width	360 mm	360 mm	360 mm	360 mm	360 mm
Reel core	70-76 mm	70-76 mm	70-76 mm	70-76 mm	70-76 mm
Filling stations	Up to 4				
(LxWxH) Machine dimensions	6250x1560x2060 mm	8500x1560x2060 mm	9400x1560x2060 mm	10600x1560x2060 mm	12500x1560x2060 mm
Electrical consumption	20 kW				
Air consumption	700 l/min	700 l/min	700 l/min	800 l/min	1000 l/min
Electrical data	200-480V/50-60 Hz/N + G/3Ph (others under request)				
PLC	Allen Bradley/Siemens (others under request)				
Noise level	<70 dB				
Safety	CE & UL Standards				

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The future is Bossar's El futuro es de Bossar



Servo control: The future of packaging machines is Bossar

This machine series represent the technology of the future for horizontal form fill and seal machines. Multiple axis movements independently controlled by a transmission system, patented by Bossar substitute the traditional single cam shaft. The system is controlled by means of a touch-screen is extremely intuitive and has far less mechanical parts than traditional mechanical machines. The control easily adapts to the size of the desired format via independent servo control. Machines of this series are intelligent, reliable, easy to operate and require little maintenance.

Control mediante Servos: El futuro de las máquinas envasadoras está en Bossar

Por su avanzada tecnología, las máquinas de esta serie representan el futuro de las máquinas envasadoras horizontales. En sustitución de un único árbol de levas, dispone de múltiples ejes controlados independientemente por un sistema de transmisión patentado por Bossar. El sistema de control mediante pantalla táctil de navegación es muy intuitivo y cuenta con un número de componentes mecánicos inferior al de máquinas accionadas mecánicamente, los cuales se adaptan fácilmente a las medidas requeridas para cada formato al ser accionados mediante servos independientes. Se trata de máquinas envasadoras inteligentes, fiables, fáciles de operar y que necesitan poco mantenimiento.

TECHNICAL FEATURES	Execution	Format Range (mm) WxH				Max. Volume (cc)	Speed up to (ppm)
		Minimum	Gusset	Maximum	Gusset		
BMS 2.0	FLT-1	80 x 70	-	200 x 300	-	1000	90
	FLT-2	60 x 60	-	100 x 300	-	200	180
	STU-1	80 x 80	25	200 x 300	52,5	1500	80
	STU-2	60 x 60	18	100 x 300	32	300	160
BMS 2.4	FLT-1	80 x 80	-	200 x 280	-	1300	60
	FLT-2	70 x 80	-	120 x 280	-	550	120
	STU-1	80 x 80	25	200 x 280	49	1600	60
	STU-2	70 x 80	21	120 x 280	31	650	120
BMS 3.3	FLT-1	80 x 80	-	260 x 300	-	2000	60
	FLT-2	80 x 80	-	165 x 300	-	800	120
	FLT-3	80 x 80	-	100 x 300	-	200	165
	STU-1	80 x 80	25	260 x 300	52,5	2500	60
	STU-2	80 x 80	25	165 x 300	48	1200	120
	STU-3	80 x 80	25	100 x 300	32	300	165
BMS 4.2	FLT-2	120 x 120	-	210 x 300	-	1000	100-120
	FLT-4	80 x 120	-	100 x 300	-	200	200-240
	STU-2	120 x 120	40	210 x 300	50	1600	100-120
	STU-4	80 x 120	25	100 x 300	32	300	200-240
BMS 5.5	FLT-2	190 x 190	-	275 x 370	-	3250	100
	FLT-3	140 x 140	-	185 x 370	-	1750	150
	STU-2	190 x 190	48	275 x 370	54	4000	100
	STU-3	140 x 140	44	185 x 370	48	2000	150



Bossar has transformed over recent years from a world leader in manufacturing of HFFS packaging machines to a global Group of packaging systems and turnkey supplier of horizontal pouching and flow wrapping machines with complex product feeding and line distribution systems, as well as robotic grouping and pick and place systems, cartoning and case packing. In addition to the above the Group offers a complete range of vertical form fill and seal machines with auxiliary equipment, such as product feeding, weighing, dosing and platform.

En los últimos años Bossar ha pasado de ser un líder mundial en la fabricación de máquinas envasadoras horizontales, a convertirse en un Grupo global de sistemas de packaging. Conocido como suministrador de máquinas envasadoras horizontales, Bossar ha incorporado equipos con complejos sistemas de llenado y líneas de distribución, robots agrupadores y sistemas de pick and place, flow wrappers, estuchadoras, encartonadoras. Además, el Grupo ofrece una completa gama de máquinas envasadoras verticales con equipos auxiliares como alimentadores de producto, pesadoras, dosificadores y plataformas.



Located in Barcelona with its affiliated companies in Italy, France, USA, Chile, India and China, the group today manufactures in five countries and three different continents. Each manufacturing company has its core competency and products suitable and competitive for distinguished application and market sectors.

Con sede central en Barcelona y empresas filiales en Italia, Francia, USA, Chile, India y China, el Grupo tiene plantas de fabricación en cinco países y tres continentes. Cada compañía dispone de su propia autonomía, con productos adecuados y competitivos para las distintas aplicaciones y sectores.

With its global sales, service and spare part sales, Bossar provides a comprehensive product range and support network to a majority of packaging applications.

Con su red de ventas global, servicio técnico y venta de recambios, Bossar dispone de una completa gama de productos y servicio de asistencia para la mayoría de aplicaciones de packaging.

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