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## CFT SEAMING TECHNOLOGIES

We produce a range of 3 series of high-quality seaming machines and components in-house, including chucks and rolls.

Our seamers are the ideal solution to seal cylindrical cans made of steel, aluminum, cardboard and plastic, as well as very thin and hard materials.

All CFT Group seaming technologies can be tested in our seaming test laboratory and can handle both Food and Beverage products.

## FOOD PRODUCTS

- Preserved vegetables
- Ready-made meals
- Meat
- Pet food
- Milk powder
- Convenience food in general





## BEVERAGE PRODUCTS

- Sparkling and still soft-drinks
- Energy and isotonic drinks
- Ice teas
- Beer
- Water

CFT offers 3 different seamer families to satisfy the specific product/container need.

## **FAMILY 2000**





**FAMILY 3000** 



**FAMILY VS** 



SERIES L SERIES S

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SERIES N
SERIES IB
SERIES E



**MODEL AVS8** 

SEAMER MODEL	SIZE	DETAILS		BUSINESS	
			BEVERAGE	FOOD	EXTRA FOOD
2000 L	2 HEADS 4 HEADS 6 HEADS		<b>*</b>	<b>*</b>	*
2000 S	3 HEADS 4 HEADS	Not rotating can		<b>*</b>	•
3000 IB	2 HEADS 3 HEADS 4 HEADS 6 HEADS		*		
3000 IB	4 HEADS 6 HEADS			<b>*</b>	
3000 N	4 HEADS 6 HEADS 8 HEADS 10 HEADS 12 HEADS		<b>*</b>	<b>*</b>	
3000 E	1 HEAD		<b>*</b>		
VS	8 HEADS	Vacuum environment		•	

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## CFT SEAMER SERIES RANGE

SEAMERS RANGE	SANITARY & HYGIENIC DESIGN	LOW TOTAL OWNERSHIP COST (TCO)	PRODUCTION SPEED / PERFORMANCE	SEAMING QUALITY	CHANGE OVER TIME	MACHINE LUBRICATION	INDUSTRY
3000/N	*	*	<b>*</b>	<b>*</b>	<b>*</b>	OIL	FOOD BEVERAGE
3000/IB	•	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	OIL AND GREASE	FOOD BEVERAGE
2000/ L AND S	•	*	*	**	*	GREASE	FOOD BEVERAGE
ASV	<b>*</b>	**	<b>*</b>	<b>*</b>	**	GREASE	FOOD



	SEAMERS MODEL	HEADS NUMBER	FOOD	BEVERAGE	CAI	N SIZE	MAIN LUBRICATION SYSTEM	cpm	cph
					Ø CAN MIN-MAX.	CAN HIGTH MIN - wMAX	BY OIL BY GREASE		
	2000/35	3			99-180	88-275	•	160	9600
	2000/48	4	•		99-172	88-275	<b>*</b>	225	13500
	2000/2L	2		•	50-105	59-210	•	100	6000
2000 S L /S	2000/4L	4		<b>*</b>	50-105	59-210	<b>*</b>	400	24000
FAMILY 2000 SERIES L/S	2000/4L DUPLEX	2+2	<b>*</b>		50-105	59-210	<b>₩</b>	200	12000
	2000/6L	6	•	<b>*</b>	50-99	59-210	<b>*</b>	600	36000
	2000/6L DUPLEX	3+3	*		50-99	59-210	*	300	18000

	SEAMERS MODEL	HEADS NUMBER	FOOD	BEVERAGE	CAI	N SIZE	LUBRIC	AIN CATION STEM	cpm	cph
					Ø CAN MIN-MAX.	CAN HIGTH MIN - wMAX	BY OIL	BY GREASE		
	3000/1MC	1		*	50-99			<b>*</b>	70	4200
	3000/2 IB	2	•	•	50-105	59-210	•	•	200	12000
	3000/3 IB	3	•	•	50-99	59-210	•	•	300	18000
	3000/4 IB	4	•	•	50-105	59-210	•	•	450	27000
FAMILY 3 000 SERIES N/IB/E	3000/ 4N	4	<b>*</b>	<b>*</b>	50-105	X	<b>*</b>		500	30000
FAMIL	3000/6 IB	6	<b>*</b>	<b>*</b>	50-99	59-210	•	<b>*</b>	650	39000
	3000/ 6N	6	•	•	50-99	45-210	<b>*</b>		700	42000
	3000/ 8N	8	<b>*</b>	<b>*</b>	50-73	45-210	<b>*</b>		900	54000
	3000/ 8NH	8	<b>*</b>	*	50-99	45-210	•		900	54000
	3000/ 10N	10	<b>*</b>	<b>*</b>	50-84	45-210	<b>*</b>		1200	72000
	3000/ 12N (1s)	12	<b>*</b>	<b>*</b>	50-73	45-210	<b>*</b>		1300	78000
	3000/ 12N (2s)	12	•	*	50-73	45-210	•		1400	90000
FAMILY VS	ASV8	8	<b>*</b>		52-84	40-88		<b>*</b>	600	36000

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- LOW COST, GOOD QUALITY: Simple frame made of cast iron with stainless steel coat to provide for good grade quality and reliability in terms of machine life cycle.
- LUBRICATION: Automatic greasing system for seaming roll and machine lubrication.



## SEAMING HEAD - STATIONARY CAN

General overview, seamer Model 2000/4s.



## LUBRICATION SYSTEM

Double lubrication available as option: one circuit is dedicated to rolls only and it is fed with food grade grease, while the other circuit serves the remaining moving parts that do not need food grade grease, so cheaper mineral grease can be used. The two circuits can be set to have a different frequency, by which the rolls require much less grease, especially if the machine is equipped with ceramic bearings. As the quantity of grease dispensed to any point is adjustable, each point is lubricated with the right amount of grease, in accordance with the actual lubrication requirements.



## SEAMING HEAD AND PLATE DETAIL

General view of the seaming turret without guarding to see the details of the lifting pistons and seaming rolls.





## ROTARY SEAMER SERIES 2000 L

<b>BUSINESS AREA</b>	Food/extra food/ beverage
CONTAINERS	Seamed cans
SEAMING SYSTEM	Mechanic
DRIVE	Mechanical (servo drive technology as option)
AVAILABLE CONFIGURATION	Free standing / dual block
SIZES	From 2 heads to 6 heads
DIAMETERS	246
PITCHES	381, 343, 257.2, 247.6, 190.5, 171.5, 127, 123.8
OUTPUTS	From 6000 cph up to 36000 cph
MAIN FEATURES	Grease lubrication system  Medium speed configuration  Suggested for food applications



## ROTARY SEAMER SERIES 2000 S

<b>BUSINESS AREA</b>	Food/extra food
CONTAINERS	Seamed cans
SEAMING SYSTEM	Mechanic
DRIVE	Mechanical (servo drive technology as option)
AVAILABLE CONFIGURATION	Free standing / dual block
SIZES	From 3 heads to 4 heads
DIAMETERS	380
PITCHES	381, 397, 285.7, 298.5
OUTPUTS	From 9500 cph to 13500 cph
MAIN FEATURES	Grease lubrication system  Not rotating can  Designed for big sizes



# SEAMER "3000" SERIES ROTARY SEAMER "3000" IB SERIES

- These machines were designed based on the 2000 series with which they share the main frame. They are the ideal sealing solution in cases where good resistance to corrosion and hygienic design in other materials is required.
- The acronym "IB" means hybrid, because the machines feature two types of lubrication system grease and oil.
- They can be easily synchronized with fillers from other OEMs and special CFT monoblock solutions.



## MAIN FEATURES

- **DESIGN**: All main parts in the working area are made of stainless steel for more efficient cleaning as all materials are compatible with the most widely used cleaning and foaming agents.
- LUBRICATION: Automatic greasing system for lubrication of the bottom part of machine.

  The seaming head is watertight and oil lubricated with an oil recirculation system. The seaming rolls too are lubricated with oil and they feature an oil recovery system to prevent lubricant spillage in the area in contact with the container.
- IMPROVED RIGIDITY AND RELIABILITY: Mechanical seaming elements such as shafts, chucks, cam bearings and bushes have been re-sized to fulfil the target seaming standards, including the standards of downgaged materials specifically developed for lightweight containers.







BUSINESS AREA	Beverage / food
CONTAINERS	Seamed cans
SEAMING SYSTEM	Mechanic
DRIVE	Mechanical (servo drive technology as option)
AVAILABLE CONFIGURATION	Free standing / dual block
SIZES	From 2 heads to 6 heads
DIAMETERS	246
PITCHES	381, 343, 257.2, 247.6, 190.5, 171.5, 127, 123.8
OUTPUTS	From 12000 cph up to 39000 cph
MAIN FEATURES	Oil + grease lubrication system  Medium speed configuration  Good hygienic level



- HYGENIC DESIGN CONCEPT: 100% anti corrosion steel construction. Machine entirely manufactured in stainless steel (not only the seaming area!). Base designed to guarantee a high level of sanitation through an inclined plane draining tank.
- **LUBRICATION**: Fully electronic oil lubrication system with closed–circuit recovery and recirculation device for seaming rolls and machine.
- **ADVANTAGE**: Low maintenance costs; 24 hour non-stop operation; quick changeover; high quality seaming using low thickness tinplate.



BUSINESS AREA	Beverage / food		
CONTAINERS	Seamed cans		
SEAMING SYSTEM	Mechanic		
DRIVE	Mechanical (servo drive technology as option)		
AVAILABLE CONFIGURATION	Free standing / dual block		
SIZES	From 4 heads to 12 heads		
DIAMETERS	From 246 to 369		
PITCHES	190.5, 171.5, 142.9, 133.4, 127, 123.8, 114.3, 104.8, 95.3, 88.9		
OUTPUTS	From 30000 cph up to 84000 cph		
MAIN FEATURES	Oil lubrication system  High speed configuration  High hygienic level  Full inox		





FRAME SPECIFICALLY DESIGNED

FOR BETTER CLEANING OF BASE









PLANE.

AISI 304L STAINLESS STEEL FRAME, BOTH INSIDE AND UNDER WORKING AREA.

FAST AND MICROMETRIC ADJUSTMENT OF SEAMING ROLLS.



CENTRALIZED, CLOSED CIRCUIT OIL LUBRICATION SYSTEM: NO LUBRICANT LOST DURING NORMAL OPERATION.





IMPROVED TOTAL CHANGEOVER TIMES (LESS THAN ONE HOUR)

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- Packaging flexibility
- All cams are electronic
- Quick changeover:

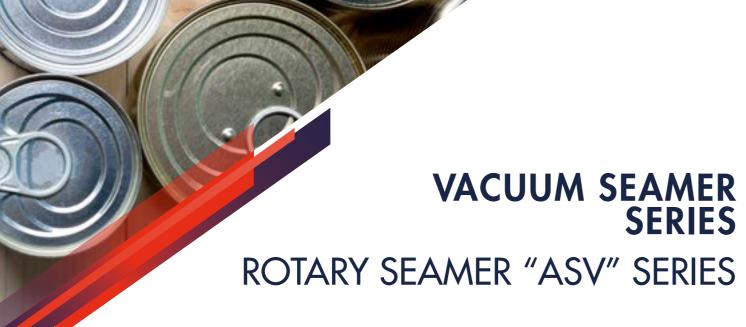
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- Quick spring setup
- Recipe uploading from HMI
- Direct seaming turn adjustment from HMI
- Manual and/or automatic roll setup
- Use of NOMA rolls ( = NO MAintenance)
- Implementation of Industry 4.0

<b>BUSINESS AREA</b>	Beverage			
CONTAINERS	Seamed cans; Different materials (cardboard, aluminium, plastic)			
SEAMING SYSTEM	Automatic			
DRIVE	Mechanical (servo drive technology as option)			
AVAILABLE CONFIGURATION	Combined with Smartcan 8/1 or Pegasus 8 (Pegasus is isobaric)			
SIZES	1 head			
DIAMETERS	Can diameters: 50-90mm - Height cans: 70-210mm			
PITCHES	/			
OUTPUTS	Maximum speed 70cpm			
MAIN FEATURES	Electronic cams  Quick changeover  Micro adjustments  Seam quality control			







- The ASV system is specifically designed for products that must be preserved in a can with reduced oxygen levels, such as corn, peas, meat, fish, beans, and cheese.
- In a market demanding increasingly higher quality standards, vacuum-sealing is particularly recommended to preserve the nutritional value of the product.
- Our Advanced Vacuum Seamer system has been specifically designed for packing products without preserving liquids, thus respecting their natural flavour.

## ■ HIGH VACUUM:

- Progressive vacuum to avoid product loss.
- ☐ Constant and continuous, very high vacuum reached inside the can (higher than 70 cm/Hg).
- Possibility to operate in vacuum-free conditions, with hot filled products and without liquid spillage.

## **■ LUBRICATION:**

△ Automatic grease system for seaming roll and machine lubrication.

### **■ LID FEEDER:**

Direct lid introduction in a vacuum chamber with vertical lid dispenser, magnetic elevator and low level lid loading.

## ■ INFEED CONVEYOR

■ Linear con feeding system

## AVAILABLE MODELS

Series ASV8: The 8-chuck seamer, installed inside the vacuum chamber, can run up to 600/700 cpm. Can diameter range from 50 to 73 mm.



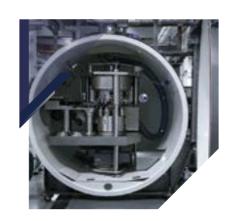
<b>BUSINESS AREA</b>	Food
CONTAINERS	Seamed cans
SEAMING SYSTEM	Mechanic
DRIVE	Mechanical (servo drive technology as option)
AVAILABLE CONFIGURATION	Free standing / Dual block
SIZES	8 heads
DIAMETERS	370 mm
PITCHES	145.3
OUTPUTS	36000 cph
MAIN FEATURES	Grease lubrication system  Medium speed configuration  Designed for vacuum seaming technology





Painted, vertical cylindrical chamber made of steel, equipped with two locked doors (front and back) for complete opening of the machine.

Easy opening system for both doors and inspection hatchways.





INDEPENDENT VACUUM PUMP UNIT, EQUIPPED WITH 2 PUMPS AND COOLING TANK WATER RECYCLING.

LID UNSTACKER WORM SCREW WITH TILTING LID MAGAZINE.





8-HEAD SEAMER, MODEL AGMRN.





AN **TATS** COMPANY

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