

**STATE-OF-THE-ART**  
CAN MAKING MACHINERY



GERMANN+FREI AG

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**THE CANMAKERS  
RELIABLE PARTNER FOR  
MORE THAN 50 YEARS**



# COMPANY DESCRIPTION

## **PRECISION FLEXIBILITY EFFICIENCY**

Germann + Frei AG, Switzerland has been one of the world's leading innovative supplier of machines for the three-piece can making industry for over 50 years. Germann + Frei also supplies machines for the two-piece-steel-can making industry. The company has a sales office and experienced, trained service engineers in the USA.

### **Products and Services**

Germann + Frei products and services include single machines: parting machines, die neckers, spin flangers and bead-ers combination machines: spin flanger/bead-ers and synchronised combinations of single machines and/or combination machines.

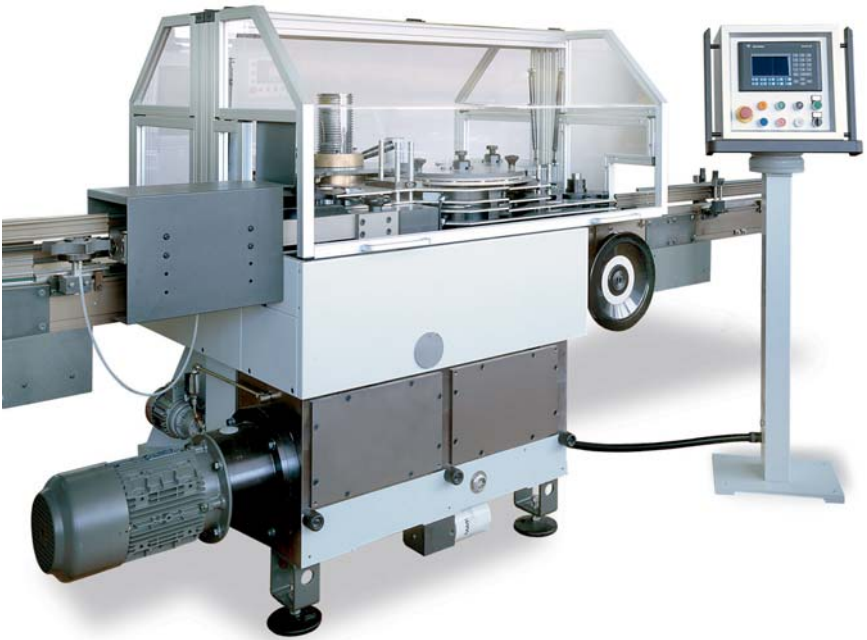
The machines for the food can industry have a cylinder diameter range from 113 to 610 (45 mm to 160 mm), the production output is from 150 cpm up to 1200 cpm depending on machine type. The synchronisation of Germann + Frei machines with any kind of seamer is also possible.

The Germann + Frei machines are also used in the aerosol can manufacturing of up to 750 and in special expanded cylinder manufacturing.

The company provides installation and commissioning services for all their machines as well as in house training.



## PARTER PAV 800 / PAV 1200



This very compact machine has got 6 heads and is working with an outside rail and driven inside mandrels. It can be used for parting pre-scored welded can bodies. The machine is designed vertically, very precise and thus best suitable for the use with very thin double reduced tinplate.

TECHNICAL DATA		PAV 800	PAV 1200
diameter range	mm / inches	52-105 / 202-404	52-105 / 202-404
parted body height range	mm / inches	35-140 / 106-508	35-140 / 106-508
capacity per minute in	cans	400	600
capacity per minute out	cans	800	1200

# DIE NECKER DNV 600



This machine has got 6 heads and is very compact. Working according to the well proven die necking principle it is suitable for necking welded can bodies for food, beverage or aerosols on one end or both ends. The machine is of vertical design, very precise and thus best suitable for the use with very thin double reduced tinplate in DR quality.

TECHNICAL DATA		DNV 600	
		necking one end	necking both ends
diameter range	mm / inches	45-99 / 113-401	45-99 / 113-401
cut body height range	mm / inches	45-215 / 110-804	69-215 / 209-804
-alternatively	mm / inches	70-240 / 210-904	100-240 / 314-904
capacity per minute	cans	150-600	150-600
-alternatively	cans	150-750	150-750

# DIE NECKER DNV 1200



This machine has got 12 heads and is very compact. Working according to the well proven die necking principle it is suitable for necking welded can bodies for food, beverage or aerosols on one end or both ends. The machine is of vertical design, very precise and thus best suitable for the use with very thin double reduced tinplate in DR quality.

TECHNICAL DATA		DNV 1200	
		necking one end	necking both ends
diameter range	mm / inches	52-99 / 202-401	52-99 / 202-401
cut body height range	mm / inches	45-215 / 110-804	62-215 / 205-804
capacity per minute	cans	300-1200	300-1200

# SPIN FLANGER SFV 600



This machine has got 6 heads and is very compact. Working according to the well proven spin flanging principle it is suitable for flanging welded can bodies for food, beverage or aerosols. The machine is of vertical design, very precise and thus best suitable for the use with very thin double reduced tinplate in DR quality.

TECHNICAL DATA		SFV 600
diameter range	mm / inches	45-108 / 113-404
cut body height range	mm / inches	40-215 / 109-804
other height ranges on request		
capacity per minute	cans	150-600
-alternatively	cans	150-750



# SPIN FLANGER SFV 1200



This machine has got 12 heads and is very compact. Working according to the well proven spin flanging principle it is suitable for flanging welded can bodies for food, beverage or aerosols. The machine is of vertical design, very precise and thus best suitable for the use with very thin double reduced tinplate in DR quality.

TECHNICAL DATA		SFV 1200
diameter range	mm / inches	52-105 / 202-404
cut body height range	mm / inches	40-215 / 109-804
other height ranges on request		
capacity per minute	cans	300-1200



# BEADER BEV 600



This machine has got 9 heads and is very compact. Working with an outside beading rail and inside mandrels it is suitable for beading welded can bodies. The machine is of vertical design, very precise and thus best suitable for the use with very thin double reduced tinplate in DR quality.

TECHNICAL DATA		BEV 600
diameter range	mm / inches	52-99 / 202-401
flanged body height range shorter can heights on request	mm / inches	76-125 / 300-415
capacity per minute	cans	150-750

# BEADER LWB 1000



This machine has got 12 heads and is very compact. Working with an outside beading rail and inside mandrels which are synchronously driven it is suitable for beading welded can bodies. The machine is of vertical design, very precise and thus best suitable for the use with very thin double reduced tinplate in DR quality.

TECHNICAL DATA		LWB 1000
diameter range	mm / inches	73-105 / 300-404
-alternatively	mm / inches	65-99 / 211-401
flanged body height range	mm/inches	58-208 / 204-803
capacity per minute	cans	300-1000

# COMBINED SPIN FLANGER/BEADER SBV 600



This machine has got 6 flanging heads and 9 beading heads and is very compact. The flanging station is working according to the well proven spin flanging principle, the beading station with an outside rail and inside mandrels. The machine can be used for the production of welded can bodies. It is of vertical design, very precise and thus best suitable for the use with very thin double reduced tinplate in DR quality.

TECHNICAL DATA		SBV 600	SBV 602
diameter range	mm / inches	52-99 / 202-401	52-99 / 202-401
cut body height range			
-flanging only	mm / inches	45-180 / 110-700	45-180 / 110-700
-flanging and beading	mm / inches	80-180 / 300-700	76-160 / 214-602
capacity per minute	cans	150-600	150-750

# COMBINED SPIN FLANGER/BEADER SBV 1200



This machine has got 10 flanging heads and 12 beading heads and is very compact. The flanging station is working according to the well proven spin flanging principle, the beading station with an outside rail and inside mandrels. The machine can be used for the production of welded can bodies as well as for two-piece cans. It is of vertical design, very precise and thus best suitable for the use with very thin double reduced tinplate in DR quality.

TECHNICAL DATA		SBV 1200 / SBV 1202
diameter range	mm / inches	52-84 / 202-307
cut body height range		
-flanging only	mm / inches	45-152 / 110-514
-flanging and beading	mm / inches	55-152 / 200-514
capacity per minute	cans	300-1200

## COMBINED SPIN FLANGER/BEADER SBV 400

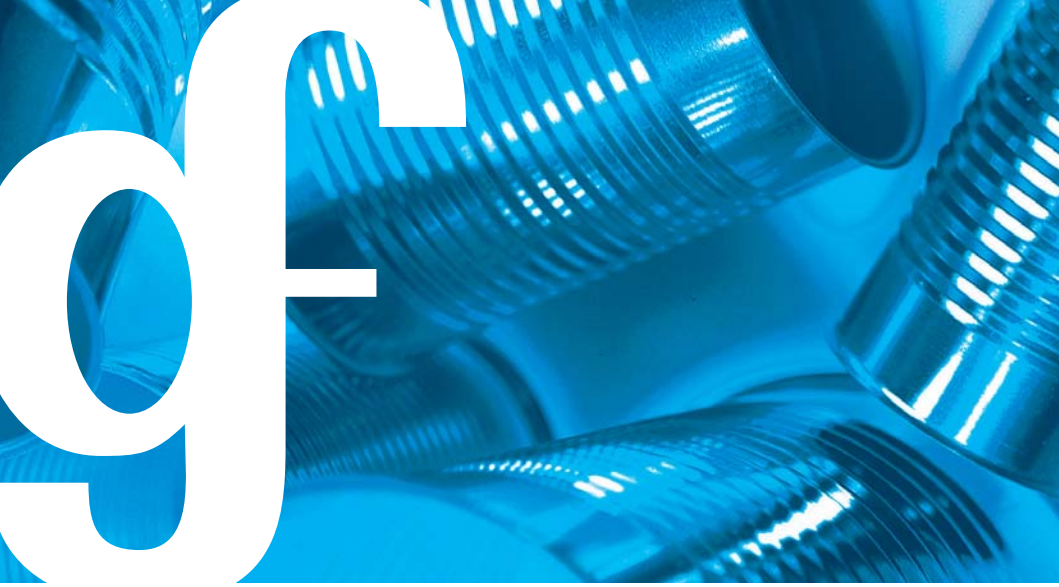


This machine has got 6 flanging heads and 8 beading heads and is very compact. The flanging station is working according to the well proven spin flanging principle, the beading station with an outside and an inside mandrel. The machine can be used for the production of welded can bodies. It is of vertical design, very precise and thus best suitable for the use with very thin double reduced tinplate in DR quality.

TECHNICAL DATA		SBV 400	SBV 401	SBV 402
diameter range	mm / inches	99-166 / 401-610	99-153 / 401-603	99-153 / 401-603
cut body height range				
-flanging only	mm / inches	78-208 / 300-800	88-258 / 305-1002	74-208 / 214-800
-flanging and beading	mm / inches	122-208 / 411-800	157-258 / 600-1002	111-208 / 405-800
capacity per minute	cans	80-330	80-330	80-400
-alternatively	cans	40-165	40-165	

**PRECISION**  
**FLEXIBILITY**  
**EFFICIENCY**





GERMANN + FREI AG  
Martinsbruggstrasse 92  
CH-9016 St.Gallen  
Switzerland  
Phone +41[0]71-282 16 40  
Fax +41[0]71-282 16 50  
E-Mail [info@germannfrei.ch](mailto:info@germannfrei.ch)  
[www.germannfrei.ch](http://www.germannfrei.ch)

GERMANN + FREI  
NORTHAMERICA INC  
PO BOX 620  
Millwood NY 10546/USA  
Phone 914-762-7755  
Fax 914-762 3758  
E-Mail [petergfna@cs.com](mailto:petergfna@cs.com)



GERMANN + FREI AG