

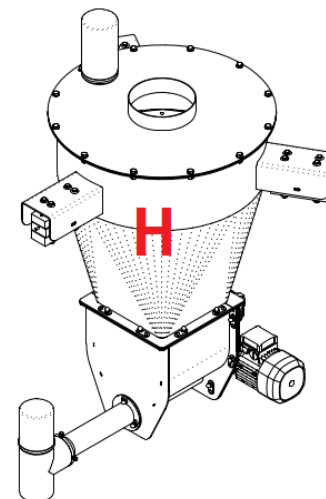
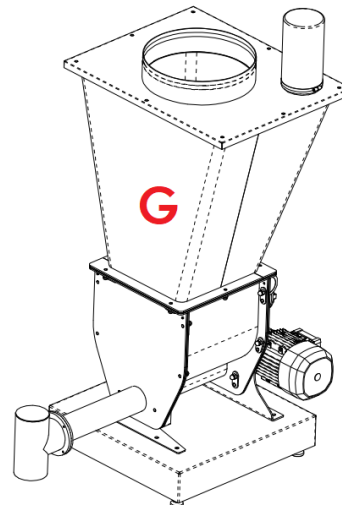
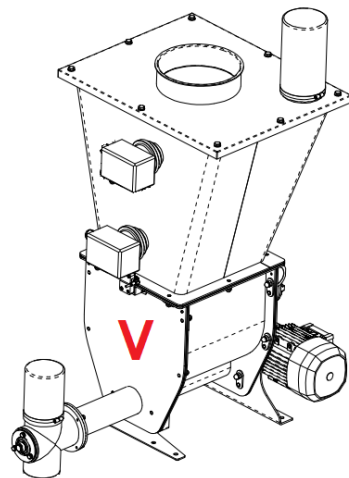


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SCREW FEEDERS «F» SERIES (SINGLE SCREW)

Single screw feeder	Size	Type	Size (nominal screw ext. Diameter)	Separate motorization (screw / homogenizer)
F	V	Volumetric	S020	D
	G	Gravimetric on balance platform	S030	
	H	Gravimetric suspended on load cells	R030	
			R040	
			M060	
			M080	
			L100	
			L120	



SCREW FEEDERS «F» SERIES (THEORETICAL CAPACITIES)

SINGLE SCREW FEEDER VOLUMETRIC AND GRAVIMETRIC

Model			dm ³ /h										
Volumetric	Gravimetric		1	7,5	15	25	125	250	800	1600	3200	6500	13000
FSV020D	FSG020D	FSH020D	Yellow	Yellow	Yellow								
FSV030D	FSG030D	FSH030D		Green	Green	Green	Green						
FRV030D	FRG030D	FRH030D		Green	Green	Green	Green						
FRV040D	FRG040D	FRH040D			Pink	Pink	Pink	Pink					
FMV060D	FMG060D	FMH060D					Brown	Brown	Brown	Brown			
FMV080D	FMG080D	FMH080D						Red	Red	Red	Red		
FLV100D	FLG100D	FLH100D							Blue	Blue	Blue	Blue	
FLV120D	FLG120D	FLH120D								Light Blue	Light Blue	Light Blue	Light Blue

SCREW FEEDERS «F» SERIES (SINGLE SCREW)

Characteristics	Standard	On request	
Construction material	Ss aisi 304	Ss aisi 316l	
Exterior finish	Satin finish	Electro polishing	Mirror polish
Interior finish	2b laminated		
Connection parts	Fast lock system		
Screw (see specific page)			
Hoppers (see specific page)		Internal coating P.T.F.E.	
Outlet	Vertical spout	Pneumatic shutter	
Homogenizer	Ploughshares	Blades	Pegs
Auger axis motion	Three-phase motor + endless screw gearbox	Brushless el. Motor	
Homogenizer axis motion	Three-phase motor + endless screw gearbox		
Dosing system	Volumetric speed adjustment with frequency variator		
	Gravimetric on weight platform		
	Gravimetric on n°3 load cells		
Normes	Directive 2006/42/CE concerning harmonization of standards. Directive 2014/30/UE regarding electromagnetic compatibility. Directive 2014/35/UE applying to electrical material for use within certain voltage limits.	Atex gr.2 Cat.3 Zone 22/20	

SCREW FEEDERS «F» SCREWS QS TYPE

Feeder	Screw type	External diameter	Internal diameter	Pitch	Note
F_020D	XSF020QSS	18	8	20	Standard
F_030D	XSF030QSS	29	19	30	Standard
F_040D	XSF040QSS	37	21	40	Special



SCREW FEEDERS «D» SCREWS MC TYPE

Feeder	Screw type	External diameter	Internal diameter	Pitch	Note
F_020D	XSF020QRS	18	8	20	Special
F_030D	XSF030QRS	29	19	30	Special
F_040D	XSF040QRS	37	21	40	Special
F_060D	XSF060QRS	55	37	60	Special
F_080D	XSF080QRS	72	55	80	Special



SCREW FEEDERS «F» SCREWS SC TYPE

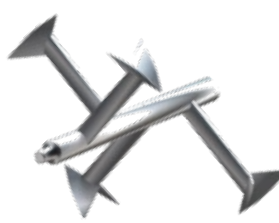
Feeder	Screw Type	External diameter	Internal diameter	Pitch	Note
F_040D	XSF040SCS	38	19	40	Standard
F_060D	XSF060SCS	54	22	68	Standard
F_080D	XSF080SCS	76	22	90	Standard
F_100D	XSF100SCS	96	33	100	Standard
F_120D	XSF120SCS	120	33	120	Standard

Screw obtained by welding the spiral on a tree (carpentry)




SCREW FEEDERS' HOMOGENIZERS TYPE


Feeder	Ploughshare type	Note
FS	XRV S	Standard
FR	XRV R	
FM	XRV M	
FL	XRV L	



Feeder	Blades type	Note
FS	XRL S	Special
FR	XRL R	
FM	XRL M	
FL	XRL L	



Feeder	Pegs type	Note
FS	XRP S	Special
FR	XRP R	
FM	XRP M	
FL	XRP L	



SCREW FEEDERS «F» DISCHARGE SYSTEMS

Feeder	Discharge type	External diameter
F_020D	XVF020	45
F_030D	XVF030	50
F_040D	XVF040	60
F_060D	XVF060	90
F_080D	XVF080	115
F_100D	XVF100	140
F_120D	XVF120	170



Feeder	Discharge type	External diameter
F_020D	XTF020	45
F_030D	XTF030	50
F_040D	XTF040	60
F_060D	XTF060	90
F_080D	XTF080	115
F_100D	XTF100	140
F_120D	XTF120	170

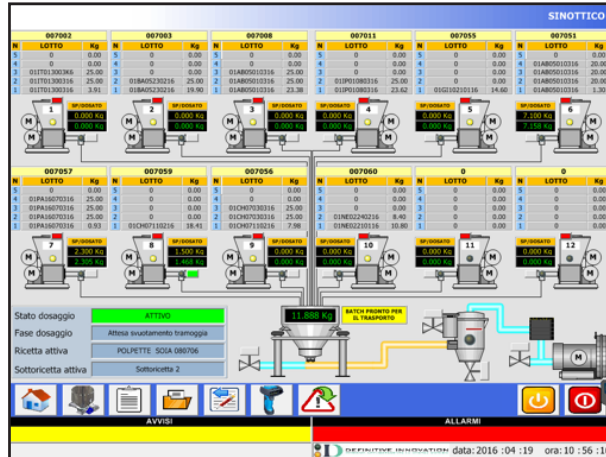
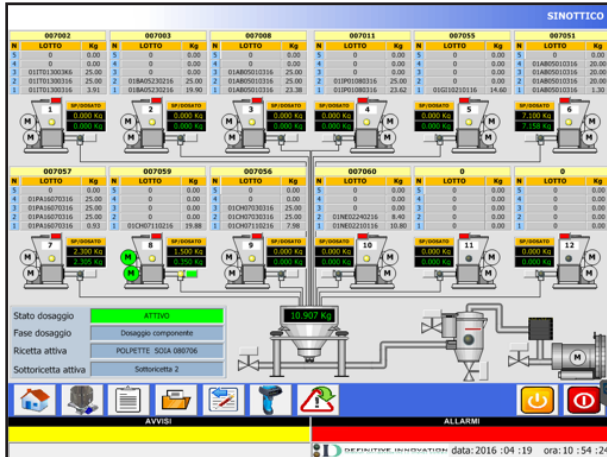


SCREW FEEDERS' GRAVIMETRIC CONTROL

Feeder type	Number of feeders	Cabinet type	Touch panel weintek	Main characteristics
F_G F_H	1	DCG01	7 INC.	<p> painted steel box (AVAILABLE IN SS AISI 304) Line voltage 400VAC 3PH + N + PE painted steel box Line voltage 400VAC 3PH + N + PE Execution for installation in a safe NO ATEX area electric control panel is equipped with: DEFINITIVE INN. dosing management program Historical archive management of production data Touch screen operator interface, Weintek "color with the following operations: set-point entry; entry of specific dosage parameters for each powder, remote assistance; compatible with remote PC supervision SOFTWARE DEFINN 1 SIEMENS PLC series 1200 for the management of dosing and automatic refill loading 24VDC power supply for auxiliaries Automatic / manual disconnectors for dispenser / s Alarm silencing by push button Mushroom emergency STOP button (general) Transformers, disconnectors, fuses and terminal blocks converter / s for on-board machine load cell with Pro-finet I / O protocol </p>
	2	DCG02	10 INC.	
	3	DCG03	10 INC.	
	4	DCG04	15 INC.	
	5	DCG05	15 INC.	
	6	DCG06	15 INC.	
	...	Customized	Customized	

Remote assistance available if required

SCREW FEEDERS' GRAVIMETRIC CONTROLS



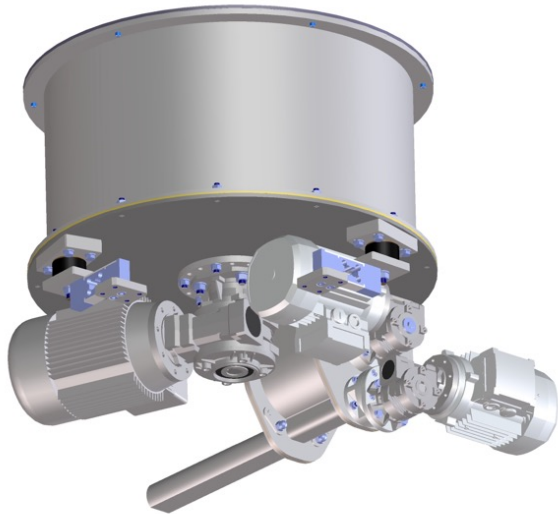
EXAMPLES OF SYNOPTICS

SCREW FEEDERS' VOLUMETRIC CONTROL

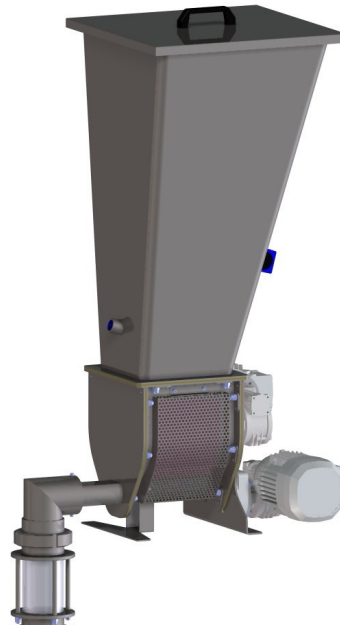
Feeder type	Number of feeders	Cabinet type	Main characteristics
FSV	1	DCV01	Box in Carbon Steel painted RAL 7035 box (AVAILABLE IN SS AISI 304) Connection cable on the bottom side protection IP54 Instruments with inverter control potentiometer Main switch with door lock switching supply Telemecanique 5 A for Auxiliary (control contactors, levels, etc.) and related protection to fuse emergency circuit cat. 0 module with safety and relative remote with mushroom emergency, and illuminated pushbutton start general Local-remote selector key on the front panel terminal board
	2	DCV02	
	3	DCV03	
	4	DCV04	
	5	DCV05	
	6	DCV06	
	Customized	
Remote assistance available if required			



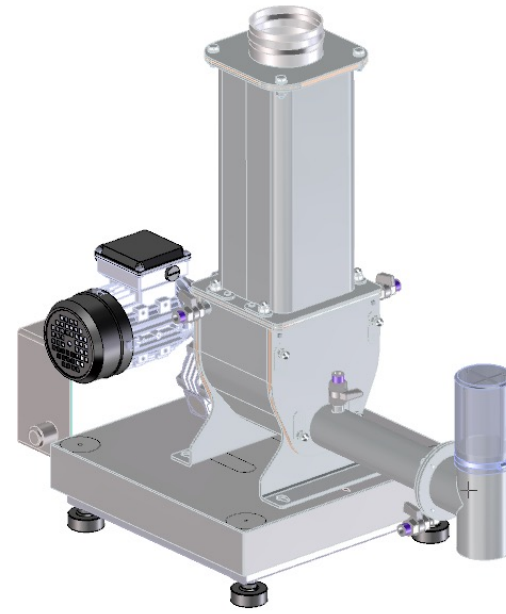
SCREW FEEDERS' SPECIAL CUSTOMIZATIONS



Feeder under
flat bottom extractor



Feeder with
thermoresistance for
content heating



Feeder with thermal exchange
(hot / cold water) for powder
conditioning

SCREW FEEDERS' BATTERY SYSTEMS

