

REF. DRWG:25163- COMPREHENSIVE SWEET CORN PROCESSING

Since 1974 Bigtem (190 employers incl. 35 engineers) designed and delivered thousands of food processing lines to clients in 5 continents (92 countries), as entirely Bigtem design & manufactured sweet corn processing lines.

Harvested sweet corns cobs are dumped by a trucks into Item. 1 heavy duty reception hopper evenly delivered thru Item. 2 conveyor thru Item. 3 layer Shaker to a wiltering tunnel (4) for husks loosen before perfect husking – a gooseneck elevator (5) + distribution conveyor (6) +even feeding/accumulation conveyor (7) delivers corn cubs onto vibrating feeders (spreading) (8) to Bigtem huskers (9) corn cub husks are gribed and peeled by various specks driven husking rolls onto 3 huskers(9) while husks drops on agro waste collection conveyors (11-12) peeled (husked) cobs are delivered by Item (10) to nubbin separator (15) where short cobs, nubs are rejected= send back to agro waste silo.

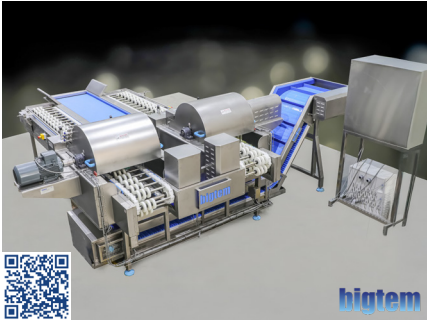
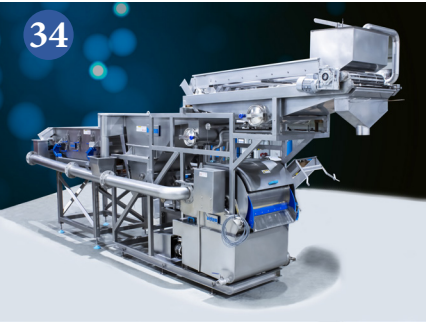
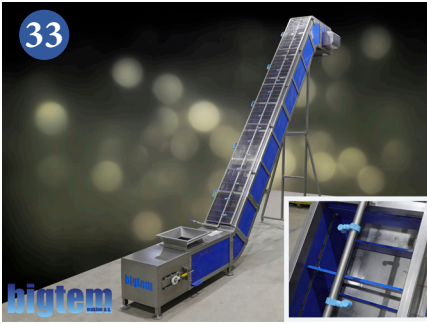
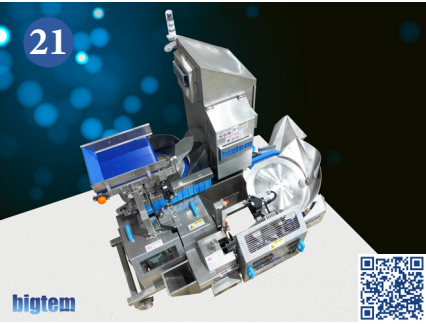
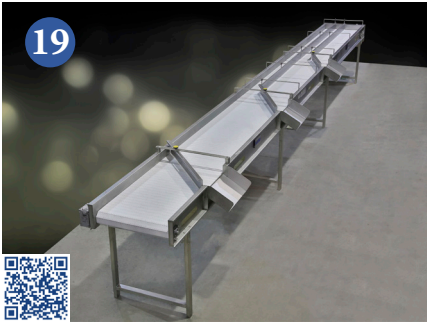
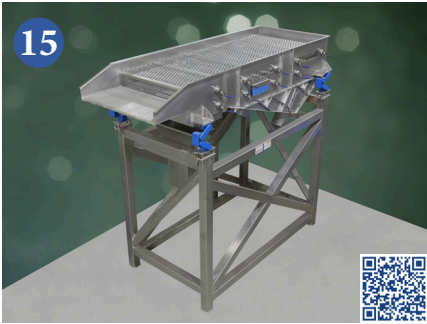
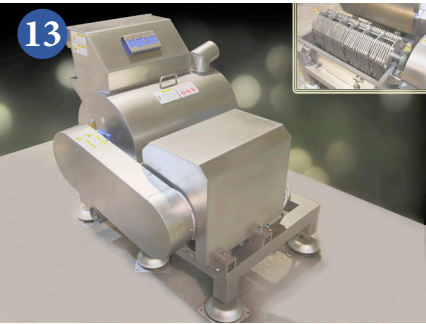
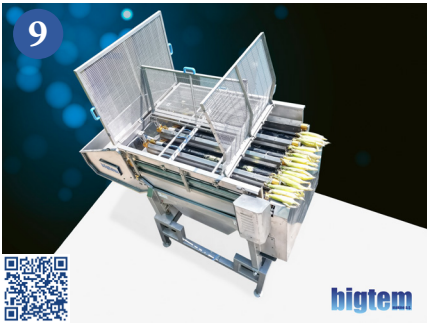
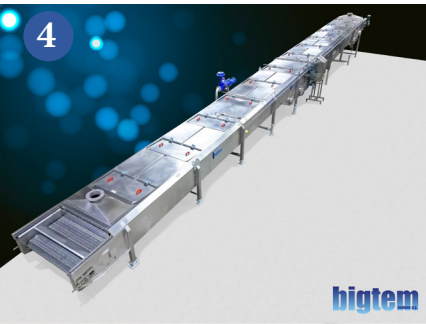
Selected corn cobs are delivered to index feeder (20) thru a conveyor (17) + an elevator (18) sized/selected cobs are evenly delivered to 6 Bigtem auto corn cutters (21) for promised (25 tons/h) capacity 12 Bigtem auto perfectly cut cutters-corn kernels are delivered to floatation washer (34) + aspiration cleaner (35). Auto cutters artificial intelligence rejected cobs are cut by Bigtem handfed cutters, remaining conveyed to capacity balance hopper (25) for recycled thru Bigtem handfed cutter. After passing thru perfect cut and cleaned corn kernels are delivered for canning or delivered to IQF freezing after multi zone (gradually heating) belt /steam (never water dipped) blanching (38) + cooling.

All rejects (as husks, cut cobs, nubbins, bird bites etc.) are delivered to unique Bigtem turbo crusher (13) for animal feed without tiny cut waste and size reduction due storage + farmers transportation.

Please contact Bigtem engineers for any further info you may need.

ITEM	MACH. NO	QTY	DESCRIPTION	
1	EFC.313/45-ST37	1	HEAVY DUTY RECEPTION HOPPER, EVEN FEEDING CONVEYOR (2500x13000 MM)	
2	PC.85	1	RUBBER BELT INCLINING CONVEYOR AND EVEN FEEDING HOPPER (2500 lt)	
3	VFG.1220	1	VIBRATING EVEN FEEDER (1200x2000 MM)	
4	WC.1523/2	1	WILTER CONVEYOR (1500x23000 MM)	
5	PGE.840	1	PLASTIC SEGMENT BELT GOOSENECK ELEVATOR (825xH:4000 MM)	
6	PC.67/D3	1	PLASTIC BELT DISTRIBUTION CONVEYOR (600x7000 MM)	
7	PC.1520V/H2	3	PLASTIC BELT CONVEYOR WITH EVEN FEEDING/ACCUMULATION HOPPER (1500x2000 MM)	
8	VFG.1520H3	3	VIBRATING FEEDER (1500x2000 MM) H:3000 MM	
9	COH.8C16R	3	CORN HUSKER, 8 CHANNELS, (16 ROLLS)	
10	PC.78	1	PLASTIC BELT CONVEYOR (700x8000 MM)	
11	PC.711	1	PLASTIC BELT CONVEYOR (700x11000 MM)	
12	RBC.618I	1	RUBBER BELT INCLINING CONVEYOR (600x18000 MM)	
13	HAMM.500	1	TURBO CRASHER(Ø500x750 MM)	
14	WHS.20	1	AGRO WASTE SILO (20m³)	
15	VFG.1020	1	VIBRATING GRADER (1000x2000 MM)	
16	PC.312	1	PLASTIC BELT CONVEYOR (300x12000 MM)	
17	PC.53	1	PLASTIC BELT CONVEYOR (500x3000 MM)	
18	PGE.630	1	PLASTIC SEGMENT BELT GOOSENECK ELEVATOR (575xH:3000 MM)	
19	PC.64/D2	1	PLASTIC BELT DISTRIBUTION CONVEYOR (600x4000 MM)	
20	VFE.0712/D6	2	EXCENTRIC VIBRATING INDEX FEEDER and DISTRIBUTION	
21	BACC.24	12	AUTOMATIC CORN CUTTER	
22	PLT.20120/HD	2	STAINLESS STEEL HEAVY DUTY PLATFORM (2000x12000 MM)	
23	PC.313	2	PLASTIC BELT CONVEYOR (300x13000 MM)	
24	PC.65	2	PLASTIC BELT CONVEYOR (600x5000 MM)	
25	PC.44	1	PLASTIC BELT CONVEYOR (400x4000 MM)	
26	PC.320	2	PLASTIC BELT CONVEYOR (300x20000 MM)	
27	PC.38	1	PLASTIC BELT CONVEYOR (300x8000 MM)	
28	PC.318	2	PLASTIC BELT CONVEYOR (300x18000 MM)	
29	PGE.518	2	PLASTIC SEGMENT BELT GOOSENECK ELEVATOR (525xH:1800 MM)	
30	BHFCC.01	4	BIGTEM HAND FEED CORN CUTTER	
31	PLT.1530	2	STAINLESS STEEL PLATFORM (1500x3000 MM)	
32	PC.46	1	PLASTIC BELT CONVEYOR (400x6000 MM)	
33	SSGE.538	1	SCRAP SURFACE GOOSENECK ELEVATOR (500xH:3800 MM)	
34	WFLO/C/P.90	1	SWEET CORN AND GREEN PEAS WASHER WITH FLOATATION SYSTEM	
35	S22V	1	FAN SEPARATOR S22 comprising	
36	SSCE.550	1	SCRAP SURFACE CONVEYOR/ELEVATOR (500x5000 MM)	
37	VFG.1015H3	1	VIBRATING FEEDER (1000x1500 MM)	
38	BSB.1410	1	BELT TYPE STEAM BLANCHER (...x... MM)	
39	PLT.76	1	STAINLESS STEEL PLATFORM (650x6000 MM)	
40	KNFSHRP/CC	1	KNIFE SHARPENER FOR CORN CUTTER	
	CRNCC.4X	-	COB SAW	

SWEET CORN PROCESSING LINE
(75000 COBS/h=APPROX 25T / h
S.CORN KERNELS FOR CANNING OR FREEZING)



PLEASE SCAN QR CODES BY YOUR MOBILE PHONE FOR REVIEW VIDEOS PROCESS