



450AN-SAPS SYSTEM QUOTE SPECIFICATION

Stand shown above does not reflect size of gaylord stand and is to be used for visual representation only.

Revision	Date	Written By	Description of Change	Reviewed By
0	11/14/2022	BRAD T.	ORIGINAL ISSUE OF 450AN SAPS QUOTE SPECIFICATION	BJT
1	12/02/2022	BRAD T.	ADDED GAYLORD SAPS CLERANCE STAND;M SEE 03.E	



SWEED ADVANCED PROTECTION SYSTEM

Customer: V I M RECYCLERS

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Top Level: TBD

Model: 450AN-SAPS

REV: 1

Stand Mechanical and Electrical Specification

01	Electrical Components	
01.A	Door Interlock Solenoid Voltage	24 VDC
01.B	Door Interlock safety switch Actuation	Power-to-Release
01.C	Door Interlock	Yes, Included
01.D	Door Switch Contact Configuration	Manual release- disengage accessible.
01.E	E-Stop Door Open	E-Stop Circuit integrated; Push Button required to open.
01.F	E-Stop Button	E-Stop Circuit integrated
01.G	E-Stop Pull Chord	Not included
01.H	Electronic Component Enclosure	TBD
01.I	Enclosure Interlock	Yes, Included
01.J	Electronic Brake PowerOhm	No, Not Included
01.K	Brake Timing	No Braking Included, Door Interlock open after set interval time based off machine rotor spin down.
01.L	CATEGORY 3 ELECTRICAL CERT	NO, if required, this is to be quoted as separate adder to job with more detail required.

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02	Electrical Installation	
02.A	Electrical Installation Req.	The purchaser/installer is required to interconnect electrical from source to machine system. Any person using or applying any products sold by Sweed Machinery is responsible for learning the safety requirements for their individual application and applying them, and therefore assumes all risks, and accepts full and complete responsibility, for the selection and suitability of the product for their respective application.
02.B	Electrical Listings	Starter Enclosure 508A UL Listed Certified
03	Mechanical	
03.A	Inside Stand Clearance	47" height x 49 1/2" width x 58" depth, Final TBD
03.B	Overall Stand clearance	56 7/8" height x 55 1/2" width x 62" depth, Final TBD
03.C	Stand Load Orientation	Front (S1)
03.D	Castors installed?	No
03.E	Gaylord Box	Yes, This is designed to fit a gaylord box up to 44" width x 48" depth x 45" height.
03.F	Sound Enclosure Rating	NA
03.G	Mesh Open area	Screen Type (2X2)
03.H	Forklift tubing	Yes, Integrated at safe lift location on machine front / Center
03.I	Door Orientation	Front
03.J	Floor Anchors	Not Included, Future application applicable
03.K	Chamber Lighting	Not Included
03.L	Running LED Dome Light	No, Not included
04	Ancillary Requirements	
04.A	Stand 1 Orientation	Front Access Only
04.B	Stand 1 Model Compatibility	450 Top Mount Plate Compatible

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05	Paint Requirements	
05.A	Paint – Stand Body	Mute Black. If alternative color is needed contact Sweed Machinery
05.B	Paint – Chopper Body	Standard Sherwin Williams 75KXG14748-4383 SWEED GREEN
05.C	Paint - Chopper Safety	Standard Sherwin Williams F75KXE14749-4383 SWEED ORANGE

Machine Mechanical and Electrical Specification

06	Electrical Main	
06.A	Voltage (Motor)	460 V
06.B	Phase (Motor)	3ph
06.C	Hz (Motor)	60hz
06.D	Full Load Amps	TBD FLA
06.E	Horsepower (Flywheel Motor)	1 Hp
06.F	Horsepower (Feedworks Motor)	NA
06.G	Electrical Starter	NA
06.H	Variable Frequency Drive	NA
06.I	Soft Start	NA
06.J	Special Requirements 1	NA
07	Electrical Control	
07.A	Voltage (Control)	24V DC
07.B	Short Circuit Current Rating	5 kA
07.C	Electrical Cabinet Size	ENCLOSURE, 8 X 10 X 6
07.D	Cabinet Stand Included	No, Starter mounted to machine, see protection stand
07.E	Timed Shut-off	Yes, Machine is equipped with adjustable time shut-off to timer.
07.F	Standard Requirements 1	NA
07.G	Standard Requirements 2	NA
07.H	Special Requirements 1	NA

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07.I	Special Requirements 2	NA
07.J	Electrical Installation Req.	Customer to install and wire in accordance with N.E.C., All state and local requirements.
08	Mechanical	
08.A	Infeed Speed	105 ft/min (approx.)
08.B	Cut Length	3" (calculated)
08.C	Equipment Mass	1,000 lb. (approx.) with stand
08.D	Min. Slab Thickness Req.	3"
08.E	Stand Included	See Safety Stand
08.F	Stand Outside Dimensions	See Safety Stand
08.G	Stand Inside Dimensions	See Safety Stand
08.H	Machine Spillway	See Safety Stand
08.I	Machine Hopper/Container	See Quote BOM for separate line item, if included
08.J	Number of Rotating Knives	1
08.K	Number of Stationary Knives	1
08.L	Optional Clutch	No
08.M	Processing Material Type	Plastic Green PET Banding
08.N	Processing Material QTY	1-5 at a time
08.O	Pneumatic Requirements	NA
08.P	Infeed Opening Size	Standard – 1.3" H X 3.500" W
08.Q	Infeed Restrictor Plate	Yes, included
08.R	Infeed Funnel Stop Paddle	No
08.S	Infeed Roll Top Role	3" DIA. Knurled / Driven
08.T	Infeed Roll Bottom Role	3" DIA. Knurled / Driven
08.U	Infeed Height	TBD
09	Ancillary Requirements	
09.A	Compressed Air	None
09.B	Spillway	SAPS Integrated Verilon Flaps for product containment

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10	Paint Requirements	
10.A	Paint – Body	Sherwin Williams 75KXG14748-4383 SWEED GREEN
10.B	Paint - Safety	Sherwin Williams F75KXE14749-4383 SWEED ORANGE

Design Stage	Purpose
Test	Engineering Specification of required machine based off sample analysis (if applicable)
RFQ.	Design Sheet Review and RETURN
QUOTE.	Pricing, Review, Comment & RETURN
PRELIMINARY SPEC. ^{1,2}	Quote Accepted, Review, Comment, (Changes ²)
BUILDING SPEC. ³	Certified and Approved for construction (Delivery Date set)

¹Note – Materials will not be purchased and/or manufacturing / final design process begun until receipt of approved layout and approved building specification.

²Additional pricing may be added if design criteria is changed during this stage and differs from accepted quote pricing.

³If changes occur during this stage additional costing for change and delayed shipping dates may be incurred.

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