

EQUIPMENT SPECIFICATIONS

TENSION LEVELING LINES

52.00" WIDE X 0.032" STAMCO LIGHT GAUGE LEVELLING LINE
TDI REFERENCE NUMBER: 63429

MANUFACTURER: Stamco
QUANTITY: 1.00

GENERAL SPECIFICATIONS:

MANUFACTURER OF LINE:	<u>Stamco</u>
MATERIAL PROCESSED:	<u>Aluminum</u>
INCOMING MATERIAL SIZE:	
WIDTH MINIMUM (INCHES):	<u>10 Inches (254.000 mm)</u>
WIDTH MAXIMUM (INCHES):	<u>52 Inches (1,320.800 mm)</u>
THICKNESS MINIMUM (INCHES):	<u>0.005 Inches (0.127 mm)</u>
THICKNESS MAXIMUM (INCHES):	<u>0.032 Inches (0.813 mm)</u>
COIL I.D. (INCHES):	<u>16 Inches (406.400 mm)</u>
COIL O.D. (INCHES):	<u>84 Inches (2,133.600 mm)</u>
COIL WEIGHT (LBS.):	<u>17,000 Pounds</u>
COIL WEIGHT (TONS):	<u>8.500 Tons (7.711 mt)</u>
LINE SPEED (FPM):	<u>1,250 Fpm (381.000 mpm)</u>
FINISHED MATERIAL SIZE:	
SPEED (FPM):	<u>1,250 Fpm (381.000 mpm)</u>
UNCOILER NO. 1:	
QUANTITY:	<u>1</u>
TYPE:	<u>Mandrel</u>
MANDREL DIMENSIONS:	
DIAMETER (INCHES):	<u>15 Inches (381.000 mm)</u>
FACE (INCHES):	<u>60 Inches (1,524.000 mm)</u>
CAPACITY (TONS):	<u>10 Tons (9.072 mt)</u>

GEAR RATIO:	3.343:1
DRIVE TYPE:	Electro Mechanical
DRIVE MOTOR HP:	75 HP (55.950 kw)
RPM:	300/1800 Rpm
PINCH ROLL / FLATTENER:	
QUANTITY:	3 Units (8" dia rolls, 6" dia rolls, and 17 over 9.5" dia)
ROLL FACE (INCHES):	60 Inches (1,524.000 mm)
PINCH ROLL GEARBOX:	
GEAR RATIO:	2.024 (Unit 2)
DRIVE MOTOR HP:	10 HP (7.460 kw)
RPM:	1750/3000 Rpm
SIDE TRIMMER:	
TYPE:	Rotary
KNIFE DIAMETER (INCHES):	8.500 Inches (215.900 mm)
DESCRIPTION OF DRIVE ASSEMBLY:	Includes Chopper with 5 HP drive at 1750/3000 rpm and 15:1 reduction
DRIVE MOTOR HP:	7.500 HP (5.595 kw)
RPM:	1150/2800 Rpm
GEAR REDUCER RATIO:	1.86
NUMBER OF HEADS:	2
STRIP JOINING PRESS / WELDER:	
APPLICABLE:	Yes
MANUFACTURER:	Behlen
DRIVE MOTOR:	
QUANTITY:	1
HORSEPOWER:	50 HP (37.300 kw)
VOLTS:	1775
ENTRY BRIDLE ROLL ASSEMBLY:	
BRIDLE ROLL ASSEMBLY MANUFACTURER:	Stamco
QUANTITY OF ROLLS:	4
ROLL DIAMETER (INCHES):	23.560 Inches (598.424 mm)
ROLL FACE (INCHES):	56 Inches (1,422.400 mm)
ROLL FACE COATING:	Yes
LEVELER:	
NUMBER OF FLIGHTS:	Pre-Flex has 3 BU's over 2 Intermediates over 1 work roll x 2 modules. Flattener section has 5 BU's over 4 Intermediates over 3 work rolls x 2 modules.
DRIVE MOTOR:	
QUANTITY:	1
HORSEPOWER:	15 HP (11.190 kw)
RPM:	850 Rpm
GEAR RATIO:	5.136
EXIT BRIDLE ROLL ASSEMBLY:	
BRIDLE ROLL ASSEMBLY MANUFACTURER:	Stamco
QUANTITY OF ROLLS:	4
ROLL DIAMETER (INCHES):	24 Inches (609.600 mm)
ROLL FACE (INCHES):	56 Inches (1,422.400 mm)

ROLL FACE COATING:	Yes
BRIDLE ROLL DRIVE DATA:	
DRIVE ASSEMBLY TYPE:	Differential Shaft
DIFFERENTIAL SHAFT / UNIV / JOINT DRIVES:	
NUMBER OF DRIVE MOTORS:	1
NUMBER OF GEAR REDUCERS:	2
GEAR BOX 1:	
HORSEPOWER:	150 HP (111.900 kw)
GEAR RATIO:	5:1
RPM INPUT:	1150
GEAR BOX MANUFACTURER:	DO James
EXIT SHEAR NO. 1:	
SHEAR MANUFACTURER:	Stamco
SHEAR DESIGN:	Dividing
DRIVE MOTOR HP:	10 HP (7.460 kw)
RPM:	1,160 Rpm
RECOILER:	
QUANTITY:	1
TYPE:	Mandrel
MANDREL DIMENSIONS:	
DIAMETER (INCHES):	9.00", 12.00" and 16.00" _____ Inches
FACE (INCHES):	60 Inches (1,524.000 mm)
CAPACITY (TONS):	10 Tons (9.072 mt)
DRIVE MOTOR:	
QUANTITY:	1
HORSEPOWER:	150 HP (111.900 kw)
RPM:	300/1800 Rpm
EXIT COIL CAR:	
QUANTITY:	1
CAPACITY (TONS):	10 Tons (9.072 mt)
PLATEN TYPE:	Driven Roller
TYPE OF CAR:	Floor Type
HYDRAULICS:	Entry uses a 150 Gallon system with 25 HP motor and 37.5 GPM pumps at 750 psi. Exit uses a 150 Gallon reservoir and 25 HP motor with 39.6 GPM at 625 psi.
COMMENTS:	Entry of line includes: 2 arm turnstile and steering system byGPE/MEA. Exit end has a beltwrapper with the recoiler. Electrical control is included.