

The first name in wire processing

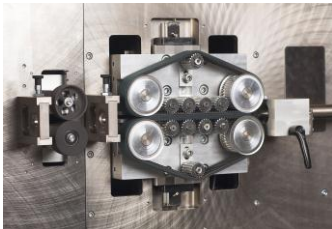
**ARTOS**  
ENGINEERING COMPANY

# CS-327

## LARGE CABLE WIRE PROCESSOR



### FEATURES



**Powerful Servo Driven Drive System** – for processing of the most demanding applications. Separate closed-loop encoder independently measures wire and self corrects for any slippage, assuring accurate wire lengths.

**Precision Ball Screw Servo Driven Cutterhead** – For years of maintenance-free operation. Choose from two-blade or three-blade configuration.



**Artos Graphical User PC Interface** – Provides easy set-up and operation. Available with offline programming and PC networking, and shares a common architecture with all other Artos machines.

# CS-327

## LARGE CABLE WIRE PROCESSOR

WE PROCESS  
THE WIDEST  
RANGE  
OF WIRE  
BAR NONE



### No machine tackles large cable processing better

than the Artos CS-327. Unmatched in power and speed, the CS-327 features digital brushless servo drives for all wire movements to ensure the most accurate processing for larger wire needs. A full suite of accessories and options allows you to customize a complete solution for your needs. Quality and reliability are a centerpiece of all Artos machines to provide the durability and performance Artos customers have come to expect.

### LOOK AT ALL THE CS-327 HAS TO OFFER



#### Easy Set-up and Operation

- Simple push button controls and PC interface allow for quick set-up and operation
- Optional Ink-jet marking and wire slitter unit is fully integrated with the CS-327 software



#### Available Heavy-Duty Calibrated Wire Straightener

- Optional 1 axis (vertical shown) or 2 axes calibrated heavy-duty straighteners provide wire straightening for the most demanding wires



#### Complete Wire Guide Set

- All wire guides are quickly changed without the use of tools
- Special "large wire" option increases maximum wire diameter to 35mm (1.5 inch)



#### Integrated Slug Collection

- The base cabinet features a large slug collection tray, easily removable for slug disposal
- A second tray is included for storing additional items such as blades and guides



#### Complete options for Prefeeding and Collection

- Artos offers a complete set of options for wire prefeeding and collection options including linear collection and coiling systems
- All units are fully interfaced with the CS-327 for continuous use without wire waste

#### MACHINE DIMENSIONS

Length without straightener bar	mm	inches
	1520	50
Width	605	23.75
Height (Guard down)	1455	57.25

Machine Weight	1090 Kg	2400 lbs
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#### POWER SUPPLY

230VAC ±10%      1 Phase 50/60 Hz  
20 or 25 Amp (depends on options)

#### PNEUMATIC SUPPLY

6 Bar (80 PSI)

#### WIRE RANGE

Min	4.0mm <sup>2</sup>	(12 AWG)
Max (OD)-standard	30.0mm	(1.2 inch)
Max (OD)-Option	35mm	(1.5 inch)

Note: Largest and smallest wire gages must be verified by Artos to assure processing capabilities

#### WIRE LENGTH

Min: Standard mode	250mm	(10 inch)
Short mode	<50mm	(2.0 inch)
Max	100M	3939 inches

#### STRIPPING LENGTHS

Min	0.1mm	0.1 in
Max	1.0 M	39.9 in

Specifications are subject to change without notice, and exceptions may apply depending on application, wire and other variables. Optional equipment may require standard machine modification and/or later specifications.

The first name in wire processing

**ARTOS**  
ENGINEERING COMPANY

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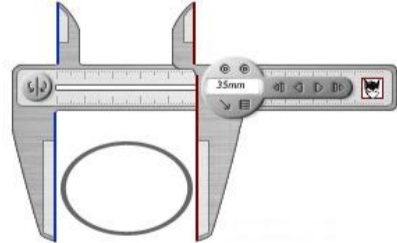

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Bulletin No. CS-327 - 11 12



## CS-327

### Option Description and Price List

**Item:**      **Description**


<b>CS-327 Base</b>	<p>Base Machine with 208 / 230V, 1Ph., 60/50 Hz Electrical          Air supply requiring 80 PSI, with 5 CFM          Base Cabinet with Slug Collection Tray and Guide Storage Tray          Dell P.C. Featuring Windows XP and Artos Graphical User Interface          UPS Power Supply Back-up for PC          Complete Machine Computer Diagnostics          Heavy Duty <i>Servo</i> Driven Dual Blade Cutterhead          One Pair Heavy Duty Cutting Blades  <i>Servo</i> Driven Tractor Style Belt Infeed and Outfeed Drive Units          Separate Encoder for Length Measurement and Slip Detection          One Wire Guide Kit (select size from 0.31", 0.56", 0.88" or 1.25")          Complete Safety Guards with Electrical Interlock          Wire Run-Out Detection Switch          Inch or metric measuring          One owner's manual</p>	
<b>Domestic / Air Box</b>	Crate for shipment within USA or air freight shipment	
<b>Ocean / Export Box</b>	Crate for ocean shipment.	
<b>Installation / Training</b>	<p>Installation and training by Artos direct technicians. Recommend two days minimum. Price is per day. Travel expenses are not included and billed separately.</p>	
<b>Three Blade Cutterhead</b>	<p>Provides a cutterhead with one pair of cutting blades, and two pairs of stripping blades. Ideal for high speed processing of discrete wire such as battery cable processing. This option nearly doubles the output, application dependent. Option limits maximum strip length to 38 mm (1.5 inch).</p>	
<b>Additional Guide Kits</b>	<p>Additional guide kits for running various wire sizes. Standard kits range in size from 0.12 inch (3mm) to 1.25 (30mm).</p>	
<b>Large Wire Kit</b>	<p>Increases the maximum wire diameter from 30 mm (1.25 inch) to 35 mm (1.5 inch). Guide kit is sold separately.</p>	
<b>Stripping Blades</b>	<p>Stripping blades are not included, and must be purchased to match your wire size.</p>	

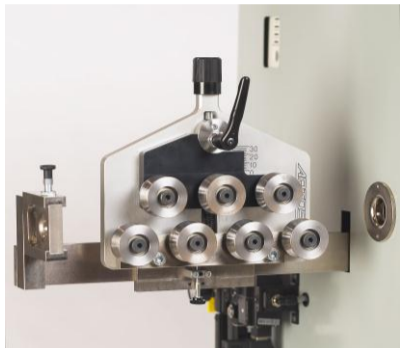



## CS-327


### Option Description and Price List


**Item:**      **Description**

<b>Special Steel Cable Cut-Of Blades</b>	Upgrade to Cut-off blades designed for cutting steel cable. Offers replacable insterts. Replaces standard cut-off blades.	
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<b>Heavy Duty Wire Straightener</b>	Device to straighten wire. Available in Vertical Axis only or Both Vertical / Horizontal Axis.	
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<b>Axial Wire Slitting Device</b>	Programmable device to slit wire along the axis. Used for two, three or four bonded wires to split bonding. Also used for long stripping of larger wires. Position and length of slit is programmable.	
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<b>Ink Jet Interface</b>	Interface for Imaje 9040 (contrast or master) ink-jet system. Fully programmable interface allows for storage and recall of all marking codes. Interface <u>does not</u> include marker, which is sold separately.	
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<b>CD-17</b>	Coiling option for collecting long wires. Choice of 3 different bowl diameters (18 inch, 24 inch, 30 inch) . Two bowl system allows operator to remove the wire from one bowl as the machine is loading the second bowl.	
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<b>1.5 Meter Collection Tray</b>	1.5 meter (59 inch) collection tray item 4-143091.	
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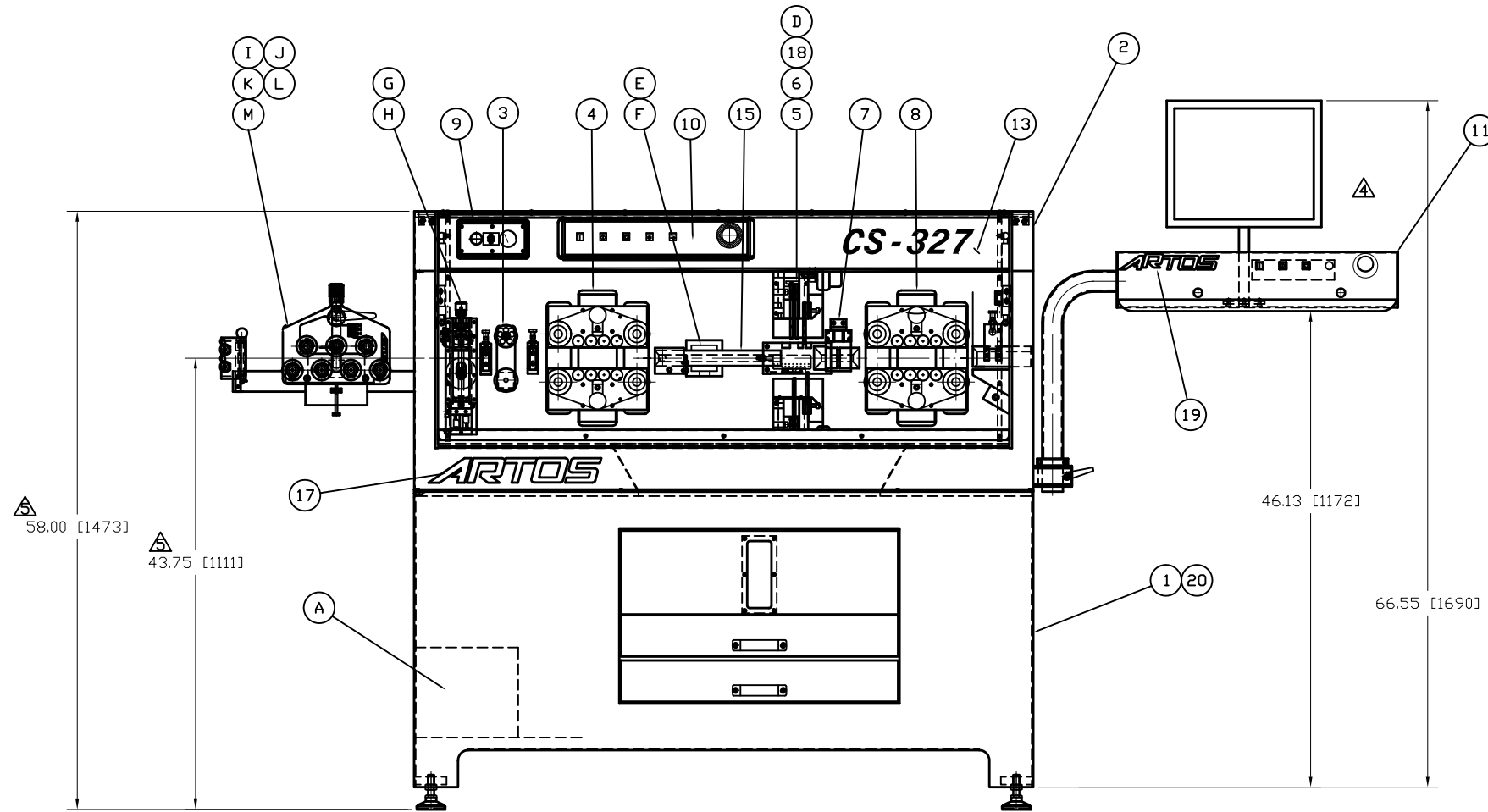
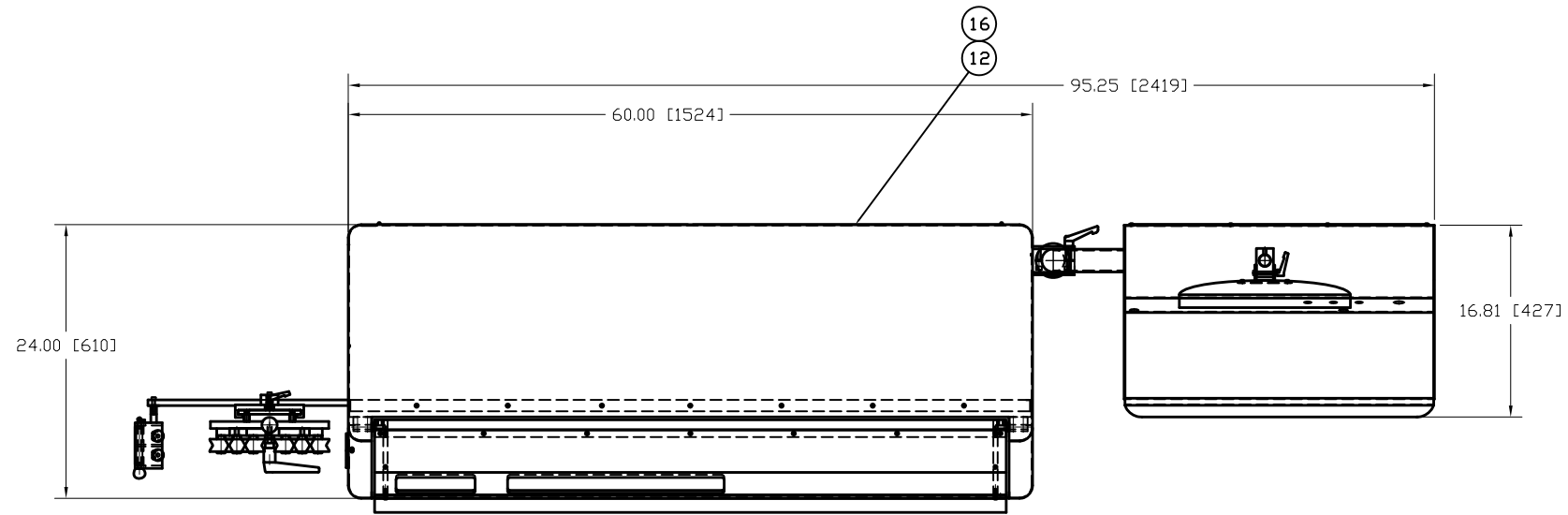


# CS-327

## Option Description and Price List

Item:	Description	
<b>CD-16 3M Motorized Collector</b>	Three meter motorized long wire collector.	
<b>Spare Parts Kit</b>	Common replacement parts for CS-327	





-510 QTY.	-500 QTY.	REF. NO.	PART NO.	DESCRIPTION
	1	1	5-142815	LOWER FRAME ASSEMBLY
	1	2	5-142827	UPPER CABINET ASSEMBLY
	1	3	5-142430	ENCODER ASSEMBLY
	1	4	5-142325-1	INFEED WIRE FEED ASSEM.
	1	5	5-142261	CUTTER HEAD ASSEMBLY
1		6	5-142780	KNOCKOUT & MANIFOLD ASSY
	1	7	5-142801	WIRE GUIDE TUBE ASSEMBLY
	1	8	5-142326	DISC. WIRE FEED ASSEM.
	1	9	5-142783	PNEUMATIC ASSEMBLY
	1	10	5-142856	OPERATOR PANEL ASSEMBLY
	1	11	5-143277	OPERATOR STATION ASSEM.
	1	12	5-142822	ELECTRICAL ENCLOSURE
	1	13	142738	LABEL
	1	14	5-142809	LOOSE PARTS
	1	15	6-142406	WIRE ADAPTION 2 & 3BLADE
	1	16	7-142302	ELECTRICAL SCHEMATIC
	1	17	139168	LABEL 'ARTOS'
1		18	5-142278	TOOL HOLDER 2 BLADE
	1	19	143270	LABEL 'ARTOS' SMALL
	1	20	5-144837	LABEL LOCATION ASSEMBLY

OPTION LIST			
QTY.	REF. NO.	PART NO.	DESCRIPTION
1	A	5-144704-5	COMPUTER SETUP ASSEMBLY
1	B	6-142859	SOFTWARE CD
1	C	2-142778-510	TOOL HOLDER ASSM. 2 BLADES
1	D	5-142897	TOOL HOLDER ASSEM. 3 BLADES
1	E	5-142325-2	FACEPLATE W/O IMAGE
1	F	5-142831	IMAGE MOUNTING KIT
1	G	5-142832	SLITTER ASSEMBLY-SINGLE
1	H	5-142833	SLITTER ASSEMBLY-DOUBLE
1	I	5-142804-1	HD. WIRE STR. ONE-AXIS
1	J	5-142805	HD. WIRE STR. TWO-AXIS
1	K	5-142804-2	HD. WIRE STR. OVAL WIRE
1	L	5-143151	SMALL WIRE STR. ONE-AXIS
1	M	5-143152	SMALL WIRE STR. TWO-AXIS
1	N	5-143607	WM6 INTERFACE
1	O	5-143413-1	2 PREFEEDER INTERFACE AND PLUG
1	P	5-143761	COILING BOWL ASSEMBLY
1	Q	5-143200	3M COLLECTOR

WIRE GUIDE SELECTION 6-142406

CABLE TO MOUNT ON PF7 5-144955  
 CABLE TO MOUNT ON 2K REELOMATIC 5-143414  
 KIT FOR 2K PREFEEDER 4-143423  
 CABLE TO MOUNT ON 5K REELOMATIC 5-143867  
 KIT FOR 5K PREFEEDER 4-143925

PART NO.	DESCRIPTION
2-142778-500	BASE PARTS

4-142778	HEAT TREATMENT/SURFACE TREATMENT	MATERIAL DESCRIPTION	USED FOR	CLASS CODE	
			9-CS327999000		327
	CONFIDENTIAL <small>This document contains CONFIDENTIAL proprietary information which shall not be used, reproduced, or disclosed to others without prior written approval of Artos Engineering Company.</small>	D	<b>ARTOS</b> ENGINEERING COMPANY		REVISION DATE
	WORK TO MEAN DIMENSIONS DO NOT SCALE DRAWING		MAIN ASSEMBLY CS 327		05/26/09
ES-1 STANDARDS APPLY PLEASE READ THEM BEFORE MFG.		DRAWN BY H. KEENE	SCALE 1:8	REVISION	
		CHECKED BY K. COOTE	DATE 02/08/2005	8	
		4-142778		SHEET NUMBER	
				1 of 1	

REVISIONS

- △ ECD 06-15  
02/17/2006  
LALUMNDIER
- △ ECD 06-33  
03/10/2006  
LALUMNDIER
- △ ECD 06-85  
5/8/2006  
LALUMNDIER
- △ ECD 06-161  
8/3/2006  
LALUMNDIER
- △ ECD 08-19  
01/10/2008  
D.WESTRICK
- △ ECD 08-215  
09/15/2008  
D.WESTRICK
- △ ECD 09-17  
05/26/2009  
SHAPTE
- △ ECD 10-23  
02/03/2010  
M. KIRST