

Name of Machine	Specification	Unit	Qty	Rmks
Ammunition Auto Packing Machine without laser marking and varnishing machine	Ammunition Auto Packing Machine without laser marking and varnishing machine with all standard and additional accessories as per specification below:			
	<b>Ser</b>	<b>Parameter</b>	<b>Requirement</b>	
	1.	<b>Quantity</b>	01 Nos	
	2.	<b>Model</b>	To be mentioned	
	3.	<b>Country of Origin and Assemble:</b>	Group- A	
	4.	<b>Country of Manufacturer:</b>	Group- A	
	5.	<b>Name of Manufacturer</b>	AAES Advanced Engineering Ltd/Arge Robotik Otomasyon Sanayi Ve Ticaret Limited Sirketi, Turkey/ Equivalent reputed machine manufacturer.	
	6.	<b>Name of Principal</b>	To be mentioned	
	7.	<b>Purpose:</b> The Automatic Ammunition Packing Machine will be a compact, fully automated solution designed to streamline the final packaging of 7.62x39 mm ammunition. After ammunition and empty cardboard boxes are fed into the machine, it will automatically insert 20 rounds into each box, seal the box with its built-in gluing system, and perform an inline weight check to confirm the correct quantity before discharging the finished package. Complete video clip of the machine showing its working principle to be submitted with technical offer.	To be complied	
	8.	<b>Input Material:</b> 7.62x39 mm caliber cartridges, Card board box.	To be complied	
	9.	<b>Output:</b> Card board boxes packed with 20 rounds of ammunition.	To be complied	
	10	<b>Specification:</b>		
		a. Caliber (mm)	7.62x39 mm	
		b. Production Rate	Minimum 200 rounds/minute or 10 cardboard boxes/minute (Filled 20 rounds ammunition/ cardboard boxes)	
		<b>c. Packing System:</b> Each packet will contain 20 rounds ammunition.	To be complied	
		<b>d. Gluing System:</b> The machine will have a built-in gluing system so that each cardboard box filled with 20 rounds of ammunition can be sealed.	To be complied	
		<b>e. Weighing System/Counting system:</b> Ammunition auto packing machine will have a built-in weighing /counting system to ensure each card board box contains 20 rounds ammunition. Boxes with fewer or more than 20 rounds must be separate.	To be complied	
		<b>f. Ammunition Auto Feeding Unit:</b> Automatic Cartridge transfer from bracket to machine hopper.	To be complied	
		g. Number of Stations	To be mentioned	
		h. Electrical Supply	220/380/440V,50 Hz	
		j. Phase	3	
		k. Motor Horsepower (Hp)	2.4 (Approx)	
		l. Compressed air requirements (psi)	87 (Approx)	
	m. Control Cabinet (in.)	18 (Approx)		
	n. Overall dimension (L×W×H) mm	To be mentioned		
	p. Net Weight (Kg)	To be mentioned		
	q. Year of manufacture of the machine to be embossed on the main body.	To be mentioned (Not before the year of contract)		
11.	<b>Any Optional Equipment</b>	To be Mentioned		
12.	<b>Latest Feature/ Technology</b>	To be mentioned		
13.	<b>Main Machine:</b>			
	a. Basic machine with all standard accessories and attachment.	To be Provided		
	b. All necessary parts and equipment will be fitted/provided with the machine	To be Provided		
	c. <b>Automatic Voltage Regulator (AVR) if required to be provided with the machine synchronized with the rating of the supplied machine (from Group- A Country).</b>	To be mentioned		

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	14.	<b>Spares, Accessories and Consumable Items:</b>						
	a.	Required <b>Spares, Accessories and Consumable Items</b> etc. for 01 year period smooth operation of machine will be supplied with the machine mentioning price, part No, brand, material & drawing.			To be Provided			
	b.	25,000 pieces cardboard boxes will be supplied with the machine for trial production. Drawing of cardboard boxes with specification will be provided with the offer.			To be Provided			
	15.	<b>Port of Shipment:</b> Group- A Countries			To be mentioned			
	16.	<b>Country of Origin of all major components:</b> Group- A Countries			To be mentioned			
	a.	Motor (Hopper & Main Motor)			To be mentioned			
	b.	Other important Mechanical & Electrical Part.			To be mentioned			
	17.	<b>Stage inspection and Pre-Shipment Inspection at Supplier's Site:</b>						
	a.	A mandatory stage inspection (SI) must be arranged upon completion of 60% of the machine production.						
	b.	Stage inspection will be carried out under BOF arrangement by two (02) persons for three (03) working days (excluding journey period). All cost of the stage inspection to be borne by BOF.			To be complied			
	c.	PSI will be carried out under BOF arrangement by three (03) persons for five (05) working days (excluding journey period). All cost of the PSI to be borne by BOF.			To be complied			
	d.	Supplier must submit details plan of PSI (Modus Operandi).			To be provided			
	18	<b>Post Installation Requirement at BOF:</b>						
	a.	It is the responsibility of supplier to fully integrate, erect and commission the machine at BOF's identified site/ room. Machine installation and commissioning is to be provided by the certified engineers of machine manufacturer from same country or at least same group countries at BOF site within 60 days after receiving machine by BOF.			To be complied.			
	b.	BOF only provide utility service up to near proximity. All other related equipment, connections and fittings or any related things to successful installation and running of the machine will be provided by the supplier.			To be complied.			
	c.	Performances and accuracies are to be demonstrated as per ISO Standards on supplied samples by BOF and on Calibration Standards supplied by the supplier.			To be complied			
	d.	Amount of installation, commissioning, trial run, trial production & training must be mentioned separately by the manufacturer. After installation and commissioning of the machine, trial run, trial production followed by operational and maintenance training of BOF personals by the technical expert of machine manufacturer from same country or at least from same group of countries at BOF site to be provided. The training should cover complete operation, application, software usage (if required) in all aspects of measurement and data analysis, part programming for required samples, calibration, basic & preventive maintenance and troubleshooting etc. Supplier must submit day wise local training plan along with the offer. Following information must be given as below:			To be complied			
	Ser	Items		Responsible (Supplier/BOF)	Cost	Duration		
	(a)	(b)		(c)	(d)	(e)		
	1.	Site Preparation		BOF and Supplier	To be mentioned	To be mentioned		
2.	Installation & Commissioning		Supplier					
3.	Trial Run		Supplier					
4.	Trial Production		Supplier					
5.	Training	Functional Training	To be mentioned					
		Repair & Maintenance Training	To be mentioned					
e.	Supplier shall bring all necessary calibration standards and calibration equipment for proving the machine accuracies with valid traceability certificates at our site.			To be complied				
19.	<b>After Sales Support:</b>							
a.	Supplier should guarantee the availability of spares, software/ firmware updates and additional add-on modules for at-least 10 years from date of expiry of warranty.			To be complied				
b.	Customer support facility shall be made available for at least 05 (Five) years after expiry of the guarantee period.			To be complied				
c.	Online remote diagnostic till the machine life/ online help for maintenance application to be provided (if available).			To be complied				

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	d. Online help support for system Queries/ Application support to be provided (If available).			
	e. Service personnel to attend any fault within 3 days after receipt of the information, whenever called for.			
	d. If any software update, license key is required for the machine, supplier must provide this for machine's lifetime free of cost. Remote or system locking of the machine using software and password is not allowed. If done so, BOF will have the authority to reject the machine. A PLC backup along with operating software must be supplied with the machines. PLC must be keyword/password free.			
	<b>20. Warranty:</b>			
	a. The machine shall have warranty for a minimum period of 12 months or more after commissioning for defect free operation and specified accuracies at our site.			
	b. Any defect observed during the warranty period shall be replaced/repared free of cost with minimum down time (30 days). All the software updates during the warranty period shall be supplied, installed and trained to our personnel on real time basis at free of cost.			
	<b>21. Condition:</b>			
	<b>21.1 Adaptation Physical Visit:</b> Within 30 days from signing of contract a tech team of OEM to visit BOF to confirm the tech spec of the machines and its associated jigs, fixtures, die and punch required for designated production. An agreement by the visiting team has to be signed with BOF confirming technical spec given in clause 7,8,9, 10,11,12,13 and 14. No alteration or change of any contract clause including financial terms is permissible.			
	<b>21.2 Turn Key Project:</b> The contract will be considered as a Turn Key Project. The OEM has to ensure installation, trial run, trial production, training and sustainable production.			
	<b>21.3</b> 50% of the payment will be made after shipment clearance of the machine via PSI & another 50% will paid after as follows (20% will be paid after complete installation, 10% after complete training and 20% after trail run production).			
	<b>21.4</b> The machine must be brand new, free from any defect or damage.			
	<b>21.5</b> 02xMachine drawings and designs must be supplied during the Adaptation Physical Visit.			
	<b>21.6</b> 02 x Operators manual/ programming manual in English language must be supplied with the machine.			
	<b>21.7</b> 02 x Maintenance/ repair manual in English must be supplied with machine.			
	<b>21.8</b> The manufacturer must provide verified complete drawing (02 x hard copies and soft copies in dwg/step/stl file) of tools, dies, punches, gauges and special parts of the machine.			
	<b>21.9</b> Supplier should submit original leaflet/ Brochure with the offer.			
	<b>21.10</b> <b>Lowest bidder will be selected basing on total price offered clause 13 and 14 in above.</b>			