



Automazione Industriale
Gestione Macchine Elettriche
Vendita Apparecchiature Elettromeccaniche



UNI EN ISO 9001:2015 Cert. N° 756272

Dear
Stellantis Stamping Process Engineering
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Frosinone, 25/06/2024

Offer: 2024_0502

TECHNICAL SPECIFICATION

Preliminary offer

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Stellantis Stamping Process Engineering

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Scrap Recovery Device for A5U FUEL BOTTOM REINFORCEMENT
for the Blanking Line 5at Cassino Cold



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PREMISE

This proposal to technically, functionally describe and subsequently economically quote the supply of what is reported below.

The above systems will be able to respond to your needs in terms of reliability and safety as well as for any and/or future implementations in terms of processing phases.

1) BASIC ELEMNTS OF EVALUATION

- 1.1) Project documentation
- 1.2) Visit to your company

2) SUPPLY OBJECTIVES

The purpose of the supply is the construction of the systems described previously. Below is a description of what we developed.

As a first step, we tried to identify the system that can guarantee you the maximum result in terms of functionality and versatility, both during the installation phase and during the subsequent operational management phase of the system in order to interact with the various work phases. .

2.1) SUPPLY DESCRIPTION

The system architecture as previously described is made up of various typical elements such as:



2.1.1) DOCUMENTATION

Supply of the following technical services including:

- Supply of risk analysis according to EN ISO 14121-1 including calculation of the probability of dangerous failures according to EN ISO 13849-1
- Provision of list of residual risks
- CE certification of both the wheeled conveyor and the motorized rotary table
- The guidelines used will be the following: Machinery Directive 2006/42/EG and subsequent amendments, Electrical Equipment Directive 2014/35/EU, Legislative Decree. 81/8 and integration (health and safety at work), Fiat Standard 9.70106/00 “Regulations for the supply of industrial goods and machinery”, CGA.02 Standard “General purchasing conditions”, Standard 9.01110 latest edition “General contract conditions”, All current standards and laws of the European Community, as well as all current national standards, laws and regulations valid European harmonized standards, ISO standards, EN standards, IEC standards
- Compliance of all equipment and materials used with Italian technical standards and regulations (Safety of machinery and equipment, EMC, etc.)
- Execution of the works in full compliance with the regulations in force referred to in the FIAT 123-07 procedure
- Verification on site of the possibility of carrying out the requested work, to evaluate the extent and/or any difficulties that require other works or specific means, evaluating the burden and considering it in the offer phase following notification in the offer technique
- Execution of the work with equipment and work tools perfectly suitable for the work to be carried out and compliant with the accident prevention regulations set out in the content of the Fiat 123-07 procedure

2.1.2) SUPPLY

Supply of the following equipment including:

- Trolleyable scrap recovery device similar in concept to the one in operation at Mullhouse
- The material to be recovered has the dimensions indicated in the offer request and will be present in the unloading in the quantity of one piece at a time
- Motorized rotary table for the management of two waste recovery containers



- Two craneable waste recovery containers
- Centering pins for a raw pallet
- We do not quote the solution with non-motorized exhaust because we do not consider the system reliable

2.1.3) INTERVENTIONS

Work to be carried out on the machine including:

- Modify the front gate of the baler to create a window to insert the conveyor
- Supply and installation of a safety sensor for door control
- Supply and installation of a safety sensor to verify the presence of the conveyor
- Supply and assembly of safety barriers cat. 4 height 1500 mm for the delimitation of the area for unloading parts and roller conveyor rotation
- The barrier and its accessories will be provided with rapid assembly and disassembly systems
- Supply and assembly of all electrical and electronic equipment for the construction of the work to be installed in the electrical panel of the press
- Supply and assembly of all electrical conduits necessary for the work

2.1.4) ENGINEERING

Engineering works including:

- PLC Software Modification, Safety PLC
- HMI Software Modification
- Edit electrical diagrams with Eplan
- Materials list
- Manual modification of the machine
- SIL/PL verification of safety functions
- Verification of regulatory compliance relevant to the adaptation works
- Download programs
- I/O test
- Operational tests and commissioning
- Operator and maintenance training course



To achieve the objectives indicated in position 2 we envisage the carrying out and supply of the following activities and materials.

3-1) Functional and technical specifications

They will be drawn up by us. staff with your technicians, as the first activity performed in carrying out the supply, to define the system functions unequivocally and completely and will include:

- acceptance of the materials to be used
- definition of the cycles and functionality of the system
- definition of operational details for construction activities
- definition of electrical assembly activities

We would like to highlight to you that this offer also includes the following items within its scope of supply:

Engineering

Documentation (see related entry)

4) ESCLUSIONS

Anything not expressly mentioned in the Scope of supply

5) TESTING AND COMMISSIONING

Testing and commissioning will be carried out in the presence of your technicians at your factory

6) DOCUMENTATION

The supply will include the following documentation in electronic and paper format:

- Electrical panel diagram (modified part only)
- Assembly conformity declaration
- CE electrical panel declaration (for the modified part)
- Copies of PLC, HMI software
- Machine manual
- Project new equipment
- SIL/PL verification of safety functions
- Verification of regulatory compliance relevant to the adaptation works
- Technical file in digital format
- Checking the correct installation of the machine
- Risk assessment



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- List of residual risks
- CE declaration of conformity and use

7) ECONOMICAL QUOTE

The economic quotation for the supply is as follows:

Total € 162.200,00 + IVA

Invoicing: 100% of the amount agreed and/or indicated in the order after positive outcome of the final testing at your factory

Payment: 60 days f.m.f.m. with positive functionality test report attached

Delivery: free to your premises

Delivery time: see attached schedule

Offer validity: 90 days

8) GUARANTEES

The supply will be carried out in a workmanlike manner and will comply with the regulations and legislative provisions in force which govern the activities defined in this offer. R.E.M. guarantees in this regard all responsibility for any violations of the aforementioned provisions, undertaking to resolve as quickly as possible any defect and/or any violation of the legislation and regulations in force found during the acceptance testing of the supply.

The warranty ensures the replacement for a period of 24 months from the date of commissioning of the supply of all parts that are found to be defective due to workmanship or quality of material or incorrect construction. The warranty does not cover faults due to incompetence, tampering, environmental, electrical, climatic, chemical and physical conditions beyond the prescribed limits or unauthorized interventions.

Remaining at your disposal for any further needs and requirements, we take this opportunity to send our best regards

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