

SCHEDA di VALUTAZIONE

L'Italia e l'Uzbekistan hanno unito le forze per creare un centro tecnologico all'avanguardia dedicato ai settori tessile, calzaturiero e metalmeccanico. Questo progetto, sostenuto da una lettera d'intenti firmata nel giugno 2023, mira a rafforzare i legami commerciali tra i due paesi e a promuovere l'export di tecnologia italiana. Il centro, equipaggiato esclusivamente con macchinari italiani, offrirà formazione tecnica ai professionisti uzbeki, contribuendo allo sviluppo industriale del paese. L'Uzbekistan, con un mercato in rapida crescita e un forte interesse per le tecnologie industriali, rappresenta un partner strategico per l'Italia.

Il centro tecnologico rappresenta un'opportunità unica per le aziende italiane di entrare nel mercato uzbeko. Partecipare a questo progetto significa non solo fornire le proprie tecnologie, ma anche contribuire alla formazione di una nuova generazione di professionisti. Inoltre, il centro diventerà un punto di riferimento per la promozione del "Made in Italy" in Uzbekistan. La gestione del progetto è stata affidata a un consorzio italo-uzbeko, con il Politecnico di Torino a Tashkent che svolge un ruolo chiave nell'attuazione delle attività formative. L'obiettivo finale è quello di creare un ecosistema industriale innovativo e sostenibile, in grado di generare valore aggiunto per entrambi i paesi.

Di seguito viene riportata la lista delle attrezzature oggetto della fornitura:

ASSESSMENT FORM

Italy and Uzbekistan have joined forces to create a cutting-edge technology center dedicated to the textile, footwear, and metalworking sectors. This project, supported by a Letter of Intent signed in June 2023, aims to strengthen commercial ties between the two countries and promote the export of Italian technology. Equipped exclusively with Italian machinery, the center will provide technical training to Uzbek professionals, contributing to the country's industrial development. Uzbekistan, with a rapidly growing market and a strong interest in industrial technologies, represents a strategic partner for Italy.

The technology center offers a unique opportunity for Italian companies to enter the Uzbek market. Participating in this project means not only providing their technologies but also contributing to the training of a new generation of professionals. Moreover, the center will become a reference point for promoting "Made in Italy" in Uzbekistan. The project management has been entrusted to an Italian-Uzbek consortium, with the Turin Polytechnic in Tashkent playing a key role in implementing the training activities. The ultimate goal is to create an innovative and sustainable industrial ecosystem, capable of generating added value for both countries.

The following is a list of the equipment included in the supply:

LISTA ATTREZZATURE

A. FOOTWEAR PRODUCTION PROCESSES				
<i>Cod e</i>	<i>Name</i>	<i>Technical Specifications approximately</i>		<i>Technical Specifications</i>
		Dimension (mm)	Weight (Kg)	
A.1	Software Stylist	-	-	<p>CAD 3D software specific for footwear stylistic 3D drawings. The outputs are related to the detection of style tendencies, to their elaboration in the drawings, to the development of the drawings in the field of data processing. The first stylistic “concept” of the new footwear models can be elaborated with the computerized graphic instruments. Colours, materials and accessories combination, film clips and animation rendering.</p> <p>Different import and export methods: integration with the footwear engineering software for upper, insole, sole and heel.</p> <p>Supplied with last generation Personal Computer, monitor and colour A4 printer.</p> <p>Software License minimum 5 years, consumable minimum 2 years training activities.</p>
A.2	Software Shoe CAD 3D PC Hardware CAD Training	-	-	<p>Integrated 2D/3D software for technical footwear patterns engineering.</p> <p>Provided tools: configurable flattening methods, footwear last import, stitching and closing remark, grading functions, Technical Production Sheets, Consumptions calculation & costing, Output to cutters and plotters.</p> <p>It covers all the phase of footwear “engineering” which allows the passage from its stylistic conception to its production. The starting point of this phase is last (already available on digital support or CAD with digitalization instruments) and the stylistic drawings. The output becomes a concrete reality in the detailed planning of all the components of upper, lining.</p> <p>Supplied with last generation Personal Computer, monitor.</p> <p>Software License minimum 5 years.</p>
A.3	Last Software	-	-	<p>Software 3D platform for footwear last prototype and engineering pattern. Creating and/or importing last file, it projects and</p>

ITALIAN – UZBEK CENTRE FOR ADVANCED ENGINEERING PROJECT

				<p>configures the profile of the last according to the stylistic concept and the customer needs. Tool for real Foot data reference and adapting last to the measures.</p> <p>Section parts of last for modifying curves, 3D view of the result. Grading by measures or by sizes.</p> <p>Supplied with last generation Personal Computer, monitor.</p> <p>Software License minimum 5 years.</p>
A.4	Last Scanner	-	-	<p>Digitizer for the scanning of footwear lasts. Scanner equipped with performing colour sensor camera.</p> <p>Integrated with process of scanning software in order to set fully automatic or modified parameter scanning. Tool optimized in exporting data and support insertion for making the final footwear last prototype.</p> <p>Export in STL and OBJ file.</p> <p>Software License minimum 5 years.</p>
A.5	NC dieless cutting machine	Useful minimum working area 1000 mm x 500 mm;	-	<p>Computerized NC cutting table equipped with high frequency vibrating blade. Suitable for the cutting of small and middle productions.</p> <p>Constructive characteristics:</p> <ul style="list-style-type: none"> - working stations: execution of placing and cutting operations; - high luminosity projector for the best visibility of templates reproduced on materials to be cut; - tools-holder head with quick change of blades, perforators, puncher and pen; - mandrel fit for demanding materials' cutting: different leather and textile typologies and thickness; - efficient vacuum system; <p>UE safety standard conformity.</p> <p>Software License minimum 5 years.</p>

B. DYEING AND FINISHING PROCESSES OF KNITTED FABRICS

<i>Code</i>	<i>Name</i>	<i>Technical Specifications approximately</i>	<i>Technical Specifications</i>
			<i>s</i>

ITALIAN – UZBEK CENTRE FOR ADVANCED ENGINEERING PROJECT

		Dimension (mm)	Weight (Kg)	
B.1	Software Dyeing Process Supervisor - Software Supervisor per processi di tintura	-	-	Specialized digital tool designed to streamline and optimize the dyeing process in the textile industry. It's a valuable asset for supervisors and managers overseeing dyeing operations, as it provides a comprehensive platform for managing various aspects of the production cycle.
B.2	Color Batching Machine (120 bottles) - Cucina Colori	W: 3000 D: 2000	1500	Equipment used to accurately and efficiently mix dyes and chemicals for dyeing and washing operations. It's an essential tool for ensuring color consistency and preventing errors in the dyeing process.

ITALIAN – UZBEK CENTRE FOR ADVANCED ENGINEERING PROJECT

B.3	Fabric / Textile Dyeing Machine (5/8kg) - Tintura in macchina da 5/8kg	W: 2500 D: 1400	300	Machine used to dye or colour materials like yarn, fabric, garments or any other materials.
-----	--	--------------------	-----	---

C. MAINTENANCE & SERVICE OF EXISTING TECHNOLOGY*(See Appendix attached)*

<i>Code</i>	<i>Name</i>	<i>Technical Specifications</i> <i>approximately</i>	
		Dimension (mm)	Weight (Kg)
<i>C.1</i>	Universal Testing Machine	1,500 x 800 x 2,500 mm	2000
<i>C.2</i>	Welding Area: a) Inverter welding machine for MMA electrode welding in direct current (DC) b) Welding bench with suction front wall, with integrated filters c) Dark green PVC protective shield for welding benches with support d) MIG-MAG wire welder (Predisposed for continuous and spot welding) e) Direct current (DC) TIG inverter welder f) Resistance welding machine (spot welding) with column, swinging arm g) Oxyacetylene cutting and welding	-	-

ITALIAN – UZBEK CENTRE FOR ADVANCED ENGINEERING PROJECT

	h) Welding inspection tools: i) Personal protective material j) Other equipment: - Portable handheld laser welding machine (not mandatory supply)		
<i>C.3</i>	Modular Educational System for the study of industrial automation	-	-

<p>Le offerte che saranno presentate dalle imprese italiane partecipanti saranno valutate secondo lo schema riportato qui sotto. A ciascuna macchina proposta verrà attribuito un punteggio secondo i criteri di seguito descritti. La valutazione finale sarà fatta dallo Steering Committee del Progetto che si esprimerà tenendo conto di questi punteggi.</p>		<p>The offers presented by the participating Italian companies will be evaluated according to the scheme outlined below. Each proposed machine will be assigned a score based on the criteria described below. The final evaluation will be made by the Project Steering Committee, which will consider these scores.</p>	
CRITERI DI VALUTAZIONE I criteri sulla base dei quali verrà effettuata la valutazione delle offerte e la graduatoria, si basa sulla teoria del “metodo lineare”, con i seguenti punteggi:		EVALUATION CRITERIA The evaluation of offers and the ranking will be based on the 'linear method' theory, with the following scores:	
CONVENIENZA OFFERTA ECONOMICA (prezzo più basso) ECONOMICAL OFFER (cheapest offer)		60	punti marks
DIMENSIONE (grandezza minore) DIMENSION/SIZE (smallest dimension/size)		10	punti marks
PESO (peso minore) WEIGHT (lightest weight)		10	punti marks
TEMPI DI CONSEGNA (consegna più rapida) DELIVERY TIME (faster delivery)		10	punti marks

TRAINING PER AVVIAMENTO e ASSISTENZA TECNICA POST-VENDITA (ore/uomo oltre alle 16 minime) TRAINING FOR EQUIPMENT STARTUP AND POST-SALE TECHNICAL SUPPORT (man/hours additional to the minimum 16 hours)	10	punti marks
Punteggio totale massimo della valutazione Maximum total score	100	punti marks
<p><i>XX punti (risultato della valutazione) / 100punti (valore totale massimo della valutazione) = XX punti valutazione che esprime la pertinenza e l'adeguatezza del valore economico dell'offerta in riferimento.</i></p> <p><i>XX points (assessment result) / 100 points (maximum total assessment value) = XX points assessment score expressing the relevance and adequacy of the economic value of the referenced offer.</i></p>		
<p>Per quanto concerne gli elementi sub. Lett. A.1, A.2, A.3, A.4, B.1, e C.5 essendo beni "immateriali", verrà attribuito il medesimo punteggio rispetto ai criteri di peso (10 punti) e dimensione (10 punti) a tutte le offerte.</p> <p>Fermo restando la prevalenza del criterio dell'offerta economicamente più vantaggiosa, solo nel caso in cui due e più offerte per il medesimo macchinario presentino importi che si differenzino in un delta del 5%, si terrà conto della presenza di "altre attrezzature" inquadrare come non obbligatorie, privilegiando, solo in questo caso, l'offerta che include tali elementi, al fine di risolvere eventuali situazioni di parità.</p> <p>Si evidenzia che l'attrezzatura ha lo scopo di essere utilizzata da professori e studenti al solo scopo formativo, questo determina l'esigenza di installare nel centro tecnologie con dimensioni ridotte e limitata necessità di utilizzo ed impiego di materia prima.</p>	<p>As regards sub-items A.1, A.2, A.3 and A.4, being "intangible" assets, the same score will be attributed with respect to the weight criteria (10 points) and size criteria (10 points) to all offers.</p> <p>Notwithstanding the prevailing criterion of the most economically advantageous offer, only in the case where two or more offers for the same machinery have a price difference of 5% or less, will the presence of "other equipment" classified as non-mandatory be considered. In this specific case, preference will be given to the tender that includes such elements, in order to resolve any tie-breaking situations.</p> <p>It is highlighted that the equipment is intended to be used by professors and students for educational purposes only, this determines the need to install technologies in the center with reduced dimensions and limited need for use and employment of raw materials.</p>	