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#### *Attachment No. 2 to Request for Quotation*

Project *“Implementation of technology for machining of turbine blades and technology for highly-efficient machining of critical load-bearing structures for aircraft.”*

co-financed from the European Regional Development Fund (ERDF) resources under the **Operational Programme, Smart Growth, Priority axis 3, Support for innovation in enterprises, measure 3.2 Support for implementation of results of R&D works, competition No. 3, sub-measure 3.2.1 Research to the market.**

**OFFER FORM**

In response to request for quotation published by company **Ultratech Spółka z ograniczoną odpowiedzialnością**

I / we, the undersigned

**……………………………………..**

*(Names and surnames of persons authorized to represent Tenderer)*

acting for and on behalf of:

**……………………………………………………**

*(Full name and address of Tenderer and NIP No. (Tax Identification Number) and stamp)*

**I place an offer for:** …………………………………………………………………………………………………

**Place of delivery:** Ultratech Sp.zo.o., ul. Fabryczna 4A, 39-120 Sędziszów Młp, Poland or to the e-mail address: m.bujny@ultratech.pl

1. I offer realization of contract at the following rates:

|  |  |
| --- | --- |
| **Net price** |  |
| **Value of VAT** |  |
| **Gross price** |  |

1. Offers the device according to the minimum parameters, according to the table below

|  |  |  |  |
| --- | --- | --- | --- |
| **Item** | | **Minimum technical requirements** | |
| 1. | Machine kinematics - horizontal center, A axis associated with the spindle, B axis with machine table | | yes |
| 2. | Number of axles - min. 5 | |  |
| 3. | Riggid cast iron machine bed | | yes |
| 4. | Machine weight - min. 35 000 kg | |  |
| 5. | Leveling of the machine just on 3 points | | yes |
| 6. | Axis X travel – min. 1 500 mm | |  |
| 7. | Axis Y travel – min. 1 100 mm | |  |
| 8. | Axis Z travel – min. 1 300 mm | |  |
| 9. | Direct measuring system (scales) in X,Y,Z | | yes |
| 10. | Ball screws cooled by oil in axes X,Y,Z | | yes |
| 11. | Axis A (on spindle) – min. 210 stopni (-110, +110) | |  |
| 12. | Axis B (on palet) – 360o continuously | | yes |
| 13. | Automatic palet changer | | yes |
| 14. | Number of palet - min.2 | |  |
| 15. | Palet size – min. 800 mm x 1000 mm | |  |
| 16. | Max. workpiece size – min. 1500 mm x 1500 mm | |  |
| 17. | Palet payload – min. 1 250 kg | |  |
| 18. | Min. increment of B axis – min. 0,0001o | |  |
| 19. | Rapid feedrate – min. 50 000 mm/min. | |  |
| 20. | The latest FANUC control system with a touch monitor in Polish and the possibility of connecting to an internal Ethernet network and the option of full monitoring of machining, analysis of machine usage, tools and their use | | yes |
| 21. | Electro spindle | | yes |
| 22. | Spindle cone min. HSK 80 | |  |
| 23. | Spindle speed – min. 32 000 rpm/min. | |  |
| 24. | Spindle cooling (stator and also rotor) by oil | | yes |
| 25. | Automatic tool changer min. 110 tools | |  |
| 26. | Max. tool lenght – min 300 mm | |  |
| 27. | Max. tool diameter – min. 90/220 mm | |  |
| 28. | 3D touch probe workpiece measuring | | yes |
| 29. | Broken tool sensor outside of working area (in tool magazin) | | yes |
| 30. | Spindle collision prevention system installed on the machine with the hazard analysis function during the execution of the machining program | | yes |
| 31. | Air supply piping for vacuum jig (through table) | | yes |
| 32. | Chip conveyor | | yes |
| 33. | Warranty machine + spindle (no limit on spindle hours) Min. 18 months | |  |
| 34. | Instructions - in Polish or English | | yes |
| 35. | Service/reaction time (arrival to Ultratech) Supplier direct service located in Poland (no dealer)/12 hours | | yes |

1. I offer delivery of the device within ........................... months.
2. I offer a device called ................................................................................................

(device name / model / producer).

1. I certify that I have read Request for Quotation and accept the conditions included in it and I raise no objections. I undertake to realize Contract as per these conditions.
2. I certify that I consider myself as bound by this Offer for the period of 30 days from the closing date for submission of offers.
3. I undertake to provide additional information in order to verify conformity of the subject of offer with the requirements included in request.
4. Economic Operator / Contractor whose offer will be selected is obliged to sign agreement the content of which is corresponding to the placed offer.
5. I / we attach to this offer: Certification on no links with Contracting Entity.

…………………….. ………………………………………………………

*(Place, date) (Signature/s of person/s authorized to represent Tenderer and company stamp)*