

# Purchase Contract

(hereafter the "**Contract**")

## 1. CONTRACTUAL PARTIES

### 1.1 Fyzikální ústav AV ČR, v. v. i.,

with seat: Na Slovance 1999/2, 182 21 Praha 8,  
represented by: RNDr. Michael Prouza, Ph.D., Director,  
registered in the Register of public research institutions of the Ministry of Education, Youth and  
Sports of the Czech Republic.

Bank: [REDACTED]  
Account No. IBAN: [REDACTED]  
ID No.: 68378271  
Tax ID No.: CZ68378271

(hereinafter the "**Buyer**")

and

### 1.2 F&S Bondtec Semiconductor GmbH,

with seat: Industriezeile 49a, 5280 Braunau am Inn, Austria,  
represented by: [REDACTED], Sales Director, by delegation of signature,  
registered at Court Ried im Innkreis.

Bank: [REDACTED]  
Account No. IBAN: [REDACTED]  
ID No.: FN 315685 v  
Tax ID No.: ATU 64456528

(hereinafter the "**Seller**"),

(the Buyer and the Seller are hereinafter jointly referred to as the "**Parties**" and each of them  
individually as a "**Party**").



## **2. FUNDAMENTAL PROVISIONS**

- 2.1 The Buyer is a public research institution whose primary activity is scientific research in the area of physics, especially elementary particles physics, condensed systems, plasma and optics.
- 2.2 The Buyer wishes to acquire the subject of performance hereof in order to measure the electrical and detection properties of the required number of strip silicon sensors during the production phase of ATLAS ITk project and continue in the R&D phase of the following high-energy particle experiments.
- 2.3 The documentation necessary for the execution of the subject of performance hereof consist of
- 2.3.1 Technical specifications of the subject of performance hereof attached as **Annex No. 1** hereto.
- 2.3.2 The Seller's bid submitted within the Procurement Procedure in its parts which describe the subject of performance in technical detail (hereinafter the "**Sellers's Bid**"); the Sellers's Bid forms **Annex No. 2** to this Contract and is an integral part hereof.
- In the event of a conflict between the Contract's Annexes the technical specification / requirement of the higher level / quality shall prevail.
- 2.4 The Seller declares that he has all the professional prerequisites required for the supply of the subject of performance under this Contract, is authorised to supply the subject of performance and there exist no obstacles on the part of the Seller that would prevent him from supplying the subject of this Contract to the Buyer.
- 2.5 The Seller acknowledges that the Buyer considers him capable of providing performance under the Contract with such knowledge, diligence and care that is associated and expected of the Seller's profession, and that the Seller's potential performance lacking such professional care would give rise to corresponding liability on the Seller's part. The Seller is prohibited from misusing his qualities as the expert or his economic position in order to create or exploit dependency of the weaker Party or to establish an unjustified imbalance in the mutual rights and obligation of the Parties.
- 2.6 The Seller acknowledges that the Buyer is not in connection to the subject of this Contract an entrepreneur and also that the subject of this Contract is not related to any business activities of the Buyer.
- 2.7 The Seller acknowledges that the production and delivery of the subject of performance within the specified time and of the specified quality, as shown in Annexes No. 1 and 2 of this Contract (including invoicing), is essential for the Buyer.
- 2.8 The Parties declare that they shall maintain confidentiality with respect to all facts and information, which they learn in connection herewith and / or during performance hereunder, and whose



disclosure could cause damage to either Party. Confidentiality provisions do not prejudice obligations arising from valid legislation.

### **3. SUBJECT-MATTER OF THE CONTRACT**

- 3.1 The subject of this Contract is the obligation on the part of the Seller to deliver and transfer into the Buyer's ownership:

#### **the Wire Bonding Station**

(hereafter the **"Equipment"**)

and the Buyer undertakes to take delivery of the Equipment and to pay to the Seller the agreed upon price.

- 3.2 The following activities form an integral part of the performance to be provided by the Seller:

- 3.2.1 Formulation of conditions which are recommended to be met at the place of Buyer in order to install the Equipment;
- 3.2.2 Transport of the Equipment incl. all accessories specified in Annexes 1 and 2 of the Contract to the site, un-packaging and control thereof;
- 3.2.3 Installation of the Equipment including connection to installation infrastructure at the site;
- 3.2.4 Execution of the acceptance test (all tests should be performed with the 25  $\mu$ m aluminium wire):
  - wire bonding of the full-sized HPK sensor (approx. 100 mm x 100 mm, aluminium pads) to the TK jig (copper, gold) - 2 wire bonds,
  - wire bonding of the miniature HPK sensor (approx. 10 mm x 10 mm, aluminium pads) to the testing PCB board (gold) - 17 wire bonds,
  - wire bonding of the HPK Test Chip (aluminium pads) to the testing PCB board (gold) - 25+ wire bonds
  - wire bonding of the ASICs (aluminium/gold pads) to the ATLAS ITk strip hybrid (PCB with gold data and power lines) - 100+ wire bonds,
  - wire bonding of the ASICs (aluminium/gold pads) to the full-sized HPK sensor (approx. 100 mm x 100 mm, aluminium pads) in 4 layers - 1000+ wire bonds,
  - non-standard wire bonding (long wire bonds, different shapes of the wire-bond loop) - 10+ wire bonds,



- wire bonding with Deep-Access Wedge-Wedge bondhead (aluminium wire installation, wire bonding procedure) - 10+ wire bonds,
- demonstration of the fundamental procedures as installation of the bondhead on the wire bonding station, setup of the installed bondhead, removal of the bondhead from the wire bonding station and storage of the bondhead in the dedicated Storagebox.

3.2.5 Delivery of detailed instructions and manuals for operation and maintenance, including list of spare parts, vacuum, gas and electrical connection schemes - all in Czech or English language, in electronic or hardcopy (printed) versions;

3.2.6 Training of operators at the site (at least 2-day training of 2 operators);

3.2.7 Free-of-charge warranty service including service inspections;

3.2.8 Provision of technical support in the form of consultations.

3.3 The subject of performance (Equipment) is specified in detail in Annexes No. 1 and No. 2 hereto.

3.4 The Seller shall be liable for the Equipment and related services to be in full compliance with this Contract, its Annexes and all valid legal regulation, technical and quality standards and that the Buyer will be able to use the Equipment for the defined purpose. In case of any conflict between applicable standards it is understood that the more strict standard or its part shall always apply.

3.5 The delivered Equipment and all its parts and accessories must be brand new and unused.

#### **4. PERFORMANCE PERIOD**

4.1 The Seller undertakes to manufacture, deliver, install and handover the Equipment to the Buyer within **6 (six) weeks** of the conclusion of this Contract.

4.2 The performance period shall be extended for a period during which the Seller could not perform due to obstacles on the part of the Buyer.

#### **5. PURCHASE PRICE, INVOICING, PAYMENTS**

5.1 The purchase price is based on the Seller's submitted bid and amounts to **147.000,00 EUR** (in words: Onehundredfortyseventhousand Euro) excluding VAT (hereinafter the "**Price**"). VAT shall be paid by the Buyer and settled in accordance with the valid Czech regulation.

5.2 The Price represents the maximum binding offer by the Seller and includes any and all performance provided by the Seller in connection with meeting the Buyer's requirements for the proper and complete delivery of the Equipment hereunder, as well as all costs that the Seller may



incur in connection with the delivery, and including all other costs of expenses that may arise in connection with creation of an intellectual property and its protection.

- 5.3 The Parties agreed that the Price shall be invoiced after the handover protocol in accordance with Section 10.4 will have been signed.
- 5.4 All invoices issued by the Seller must contain all information required by the applicable laws of the Czech Republic. Invoices issued by the Seller in accordance with this Contract shall contain in particular following information:
- 5.4.1 name and registered office of the Buyer,
  - 5.4.2 tax identification number of the Buyer,
  - 5.4.3 name and registered office of the Seller,
  - 5.4.4 tax identification number of the Seller,
  - 5.4.5 registration number of the tax document (invoice),
  - 5.4.6 scope of the performance (including the reference to this Contract),
  - 5.4.7 the date of the issue of the tax document (invoice),
  - 5.4.8 the date of the fulfilment of the Contract,
  - 5.4.9 purchase Price,
  - 5.4.10 registration number of this Contract, which the Buyer shall communicate to the Seller based on Seller's request before the issuance of the invoice

and must comply with the double taxation agreements, if applicable.

- 5.5 The Buyer prefers electronic invoicing, with the invoices being delivered to [efaktury@fzu.cz](mailto:efaktury@fzu.cz). All issued invoices shall comply with any international double taxation agreements, if applicable.
- 5.6 Invoices shall be payable within thirty (30) days of the date of their delivery to the Buyer. Payment of the invoiced amount means the date of its remittance to the Seller's account.
- 5.7 If an invoice is not issued in conformity with the payment terms stipulated by the Contract or if it does not comply with the requirements stipulated by law, the Buyer shall be entitled to return the invoice to the Seller as incomplete, or incorrectly issued, for correction or issue of a new invoice, as appropriate, within five (5) business days of the date of its delivery to the Buyer. In such a case, the Buyer shall not be in delay with the payment of the Price or part thereof and the Seller shall issue a corrected invoice with a new and identical maturity period commencing on the date of delivery of the corrected or newly issued invoice to the Buyer.



5.8 The Buyer shall be entitled to unilaterally set off any of his payments against any receivables claimed by the Seller due to:

5.8.1 damages caused by the Seller,

5.8.2 contractual penalties.

5.9 The Seller shall not be entitled to set off any of his receivables against any part of the Buyer's receivable hereunder.

## **6. OWNERSHIP TITLE**

6.1 The ownership right to the Equipment shall pass to the Buyer by handover. Handover shall be understood as delivery and acceptance of the Equipment duly confirmed by Parties on the Handover Protocol in accordance with Section 10.4.

## **7. PLACE OF DELIVERY AND HANDOVER OF THE EQUIPMENT**

7.1 The place of delivery and handover of the Equipment shall be the room No. 036 in the main building of the Ústav teorie informace a automatizace AV ČR, v. v. i., at Pod Vodárenskou věží 4, 18208 Praha 8, Czech Republic.

## **8. PREPAREDNESS OF THE PLACE OF DELIVERY AND HANDOVER**

8.1 The Seller shall notify the Buyer in writing of the exact date of installation of the Equipment at least 14 days prior to such date, ensuring that the deadline for the performance hereunder is maintained.

8.2 The Buyer shall be obliged to allow the Seller, once the deadline set forth in Section 8.1 hereof expires, to install the Equipment at the place of delivery and handover.

## **9. COOPERATION OF THE PARTIES**

9.1 The Seller undertakes to notify the Buyer of any obstacles on his part, which may negatively influence proper and timely delivery of the Equipment.



## **10. DELIVERY, INSTALLATION, HANDOVER AND ACCEPTANCE**

- 10.1 The Seller shall transport the Equipment at its own cost to the place of delivery and handover. If the shipment is intact, the Buyer shall issue delivery note for the Seller.
- 10.2 The Seller shall perform and document the installation of the Equipment and launch experimental tests in order to verify whether the Equipment is functional and meets the technical requirements of Annexes No. 1 and 2 hereof.
- 10.3 Handover procedure includes handover of any and all technical documentation pertaining to the Equipment, user manuals and certificate of compliance of the Equipment and all its parts and accessories with approved standards.
- 10.4 The handover procedure shall be completed by handover of the Equipment confirmed by the Handover Protocol containing specifications of all performed tests. The Handover Protocol shall contain the following mandatory information:
- 10.4.1 Information about the Seller, the Buyer and any subcontractors;
  - 10.4.2 Description of the Equipment including description of all components and serial numbers;
  - 10.4.3 Description of executed tests according to Section 3.2.4 of the Contract: type of test, duration and achieved parameters;
  - 10.4.4 List of technical documentation including the manuals;
  - 10.4.5 Confirmation on training, its participants and extent;
  - 10.4.6 Eventually reservation of the Buyer regarding minor defects and unfinished work including the manner and deadline for their removal and
  - 10.4.7 Date of signature of the Equipment Handover Protocol.
- 10.5 Handover of the Equipment does not release the Seller from liability for damage caused by its defects.
- 10.6 The Buyer shall not be obliged to accept Equipment, which would show defects or unfinished work and which would otherwise not form a barrier, on their own or in connection with other defects, to using the Equipment. In this case, the Buyer shall issue a record containing the reason for his refusal to accept the Equipment.
- 10.7 Should the Buyer not exercise his right not to accept the Equipment with defects or unfinished work, the Seller and the Buyer shall list these defects or unfinished work in the Handover Protocol, including the manner and deadline for their removal. Should the Parties not be able to agree in the Handover Protocol on the deadline for removal of the defects, it shall be understood that any



defects shall be removed / rectified within 14 days from the handover of the Equipment.

## **11. TECHNICAL ASSISTANCE – CONSULTATIONS**

- 11.1 The Seller shall be obliged to provide to the Buyer free-of-charge technical assistance by phone or e-mail relating to the subject-matter hereof during the entire term of the warranty period. The Seller undertakes to provide to the Buyer paid consultations and technical assistance relating to the subject-matter hereof also after the warranty period expires.

## **12. REPRESENTATIVES, NOTICES**

- 12.1 The Seller authorized the following representatives to communicate with the Buyer in all matters relating to the Equipment delivery:

No representative / contact F&S Bondtec

e-mail: [REDACTED]

tel. [REDACTED]

- 12.2 The Buyer authorized the following representatives to communicate with the Seller:

[REDACTED]

e-mail: [REDACTED]

tel. [REDACTED]

- 12.3 All notifications to be made between the Parties hereunder must be made out in writing and delivered to the other Party by hand (with confirmed receipt) or by registered post (to the Buyer's or Seller's address), or in some other form of registered post or electronic delivery incorporating electronic signature (qualified certificate) to [epodatelna@fzu.cz](mailto:epodatelna@fzu.cz) in case of the Buyer and to [REDACTED] in case of the Seller.

- 12.4 In all technical and expert matters (discussions on the Equipment testing and demonstration, notification of the need to provide warranty or post-warranty service, technical assistance etc.) electronic communication between technical representatives of the Parties will be acceptable using e-mail addresses defined in Sections 12.1 and 12.2.

## **13. TERMINATION**

- 13.1 This Contract may be terminated early by agreement of the Parties or withdrawal from the Contract on the grounds stipulated by law or in the Contract.
- 13.2 The Buyer is entitled to withdraw from the Contract without any penalty from the Seller in any of





the following events:

- 13.2.1 The Seller is in delay with the delivery of the Equipment longer than 2 weeks after the date pursuant to Section 4.1 hereof. In case the Buyer causes any delay, this clause is void.
- 13.2.2 Technical parameters or other conditions required in the technical specification defined in Annexes No. 1 and 2 hereto and in the relevant valid technical standards will not be achieved by the Equipment at acceptance.
- 13.2.3 Facts emerge bearing evidence that the Seller will not be able to deliver the Equipment.
- 13.2.4 The Seller will not meet the qualification criteria set within the Procurement Procedure.
- 13.3 The Seller is entitled to withdraw from the Contract in the event of the Buyer being in default with the payment for more than 2 months with the exception of the cases when the Buyer refused an invoice due to defect on the delivered Equipment or due to breach of the Contract by the Seller.
- 13.4 Withdrawal from the Contract becomes effective on the day the written notification to that effect is delivered to the other Party. The Party which had received performance from the other Party prior to such withdrawal shall duly return such performance.

#### **14. INSURANCE**

- 14.1 The Seller undertakes to insure the Equipment against all risks, in the amount of the Price of the Equipment for the entire period commencing when transport of the Equipment starts until duly handed over to the Buyer. In case of breach of this obligation, the Seller shall be liable to the Buyer for any damage that may arise.
- 14.2 The Seller is liable for the damage that he has caused. The Seller is also liable for damage caused by third parties undertaken to carry out performance or his part under this Contract.

#### **15. WARRANTY TERMS**

- 15.1 The Seller shall provide warranty for the quality of the Equipment for a period of **12 months**.
- 15.2 The warranty term shall commence on the day following the date of signing of the Handover Protocol pursuant to Section 10.4 hereof. The warranty does not cover consumable things.
- 15.3 Should the Buyer discover a defect, he shall notify the Seller to rectify such defect using the e-mail address: [service@fsbondtec.at](mailto:service@fsbondtec.at). The Seller is obliged to notify the Buyer without delay about any change of this email address. The Seller shall be obliged to review any warranty claim within 7 business days from its receipt and to propose solution, unless agreed otherwise by the Parties.



- 15.4 During the warranty period the Seller shall be obliged to rectify any claimed defects within 14 business days from receipt of the Buyer's notification. In cases of unusual defects, the Seller shall be obliged to rectify the defect in the period corresponding to the nature of the defect and to define the deadline for the handover of the rectified Equipment.
- 15.5 During the warranty period any and all costs associated with defect rectification / repair including transport and travel expenses of Seller shall be always borne by the Seller.
- 15.6 The repaired Equipment shall be handed over by the Seller to the Buyer on the basis of a protocol confirming removal of the defect (hereinafter the "**Repair Protocol**") containing confirmations of both Parties that the Equipment was duly repaired and is defect-free.
- 15.7 The repaired portion of the Equipment shall be subject to a new warranty term in accordance with Section 15.1 which commences to run on the day following the date when the Repair Protocol was executed. However, the aggregate warranty period shall not exceed 48 months.
- 15.8 The Seller declares that he shall ensure paid post-warranty [out-of-warranty] service for the period of 10 years after the expiration of the warranty; the service terms shall be identical to those of Sections 15.3 and 15.4.
- 15.9 The Seller undertakes to provide the Buyer with updates of the software controlling the Equipment for the entire term of warranty service.

## **16. CONTRACTUAL PENALTIES**

- 16.1 The Buyer shall have the right to a penalty in the amount of 0.1 % of the Price for each commenced day of delay with the performance pursuant to Section 4.1 hereof.
- 16.2 The Buyer shall have the right to a penalty in the amount of 0.05 % of the Price for each commenced day of delay with rectifying of defects claimed within the warranty period.
- 16.3 The Buyer is entitled to claim a contractual penalty of 600,- EUR against the Seller for the delay with the delivery of a properly issued invoice pursuant to Section 5.3 beyond the deadline of December 13, 2019.
- 16.4 In case of default in payment of any due receivables (monetary debt) under the Contract, the defaulting Buyer or Seller (the debtor) shall be obliged to pay a contractual penalty in the amount of 0.1 % of the owed amount for each commenced day of delay with the payment.
- 16.5 The Buyer shall be entitled to claim a contractual penalty against the Seller in the amount of 30 % of the Price, in case it will subsequently take advantage of the opportunity to withdraw from the Contract pursuant to Section 13.2.1 and 13.2.2.
- 16.6 Contractual penalties are payable within 30 days of notification demanding payment thereof.



16.7 Payment of the contractual penalty does not prejudice the rights of the Parties to claim damages.

## **17. DISPUTES**

17.1 Any and all disputes arising out of this Contract or the legal relationships connected with the Contract shall be resolved by the Parties by mutual negotiations. In the event that any dispute cannot be resolved by negotiations within sixty (60) days, the dispute shall be resolved by the competent court in the Czech Republic based on application of any of the Parties; the court having jurisdiction will be the court where the seat of the Buyer is located. Disputes shall be resolved exclusively by the law of the Czech Republic.

## **18. FINAL PROVISIONS**

18.1 This Contract represents the entire agreement between the Buyer and the Seller. The relationships between the Parties not regulated in this Contract shall be governed by the Act No. 89/2012 Coll., the Civil Code, as amended.

18.2 In the event that any of the provisions of this Contract shall later be shown or determined to be invalid, ineffective or unenforceable, then such invalidity, ineffectiveness or unenforceability shall not cause invalidity, ineffectiveness or unenforceability of the Contract as a whole. In such event the Parties undertake without undue delay to subsequently clarify any such provision or replace after mutual agreement such invalid, ineffective or unenforceable provision of the Contract by a new provision, that in the extent permitted by the laws and regulations of the Czech Republic, relates as closely as possible to the intentions of the Parties to the Contract at the time of creation hereof.

18.3 This Contract may be changed or supplemented solely by means of numbered amendments in writing, furnished with the details of time and place and signed by duly authorised representatives of the Parties. The Parties expressly reject modifications to the Contract in any other manner.

18.4 The Parties expressly agree that the Contract as a whole, including all attachments and data on the Parties, subject-matter of the Contract, numerical designation of this Contract, the Price and the date of the Contract conclusion, will be published in accordance with Act No. 340/2015 Coll. on special conditions for the effectiveness of some contracts, publication of these contracts and Contract Register, as amended (hereinafter the "**CRA**"). The Parties hereby declare that all information contained in the Contract and its Annexes are not considered trade secrets under § 504 of the Civil Code and grant permission for their use and disclosure without setting any additional conditions.

18.5 The Parties agree that the Buyer shall ensure the publication of the Contract in the Contract Register in accordance with CRA.



18.6 This Contract becomes effective as of the day of its publication in the Contract Register.

18.7 The following Annexes form an integral part of the Contract:

Annex No. 1: Technical specification on the subject of performance

Annex No. 2: Technical description of the Equipment as presented in Seller's bid

18.8 The Parties, manifesting their consent with the entire contents of this Contract, attach their signature hereunder.

For the Buyer:

30. 10. 2019

For the Seller:

30. 10. 2019

---

RNDr. Michael Prouza, Ph.D.  
Director

---

  
Sales Director

**Annex No. 1 - Technical specification of the subject of performance as defined by the Buyer****Tab. 1**

Item ref.	Minimum required	Complies YES/NO
1	Working area of WBS $\geq 150 \text{ mm} \times 200 \text{ mm}$	YES
2	Available Z travel $\geq 100 \text{ mm}$	YES
2	XY motorized movement of table and/or bondhead	YES
3	Movement step resolution $\leq 1 \text{ }\mu\text{m}$	YES
5	Programmable speed of the movements	YES
6	Wire-bonding speed $\geq 1 \text{ wire/sec}$	YES
7	Ultrasound generator with two available US frequencies	YES
8	Software for online control of wire bonds deformation	YES
9	Software for application of Pattern Recognition Methods	YES
10	Replaceable bondhead for Wedge-Wedge wire bonding	YES
10.1	Possible wire diameters in the full range of $<17.5, 75.0> \text{ }\mu\text{m}$	YES
10.2	Placement accuracy $\leq \pm 5 \text{ }\mu\text{m}$	YES
10.3	Repeatability $\leq \pm 3 \text{ }\mu\text{m}$	YES
10.4	Loop height accuracy $\leq 5 \text{ }\mu\text{m}$ for $25 \text{ }\mu\text{m}$ Aluminium wire	YES
10.5	Operation software for Wedge-Wedge wire bonding	YES
11	Replaceable bondhead for Deep-Access Wedge-Wedge wire bonding	YES
11.1	Possible wire diameters in the full range of $<17.5, 75.0> \text{ }\mu\text{m}$	YES
11.2	Placement accuracy $\leq \pm 5 \text{ }\mu\text{m}$	YES
11.3	Repeatability $\leq \pm 3 \text{ }\mu\text{m}$	YES
11.4	Loop height accuracy $\leq 5 \text{ }\mu\text{m}$ for $25 \text{ }\mu\text{m}$ Aluminium wire	YES
11.5	Operation software for Deep-Access Wedge-Wedge wire bonding	YES



<b>12</b>	Storage box for replaceable bondheads	<b>YES</b>
<b>13</b>	Heated workholder with the total area $\geq 150 \text{ mm} \times 200 \text{ mm}$	<b>YES</b>
<b>13.1</b>	Compatible with WBS working area	<b>YES</b>
<b>13.2</b>	Temperature control unit for the heated workholder	<b>YES</b>
<b>13.3</b>	Mechanical clamping available	<b>YES</b>
<b>13.4</b>	Vacuum clamping available	<b>YES</b>
<b>14</b>	Stereo-Microscope with sufficient zoom and focus parameters	<b>YES</b>
<b>15</b>	Wedge and Aluminium wire for 25 $\mu\text{m}$ Wedge-Wedge wire bonding	<b>YES</b>
<b>16</b>	Wedge and Aluminium wire for 25 $\mu\text{m}$ Deep-Access Wedge-Wedge wire bonding	<b>YES</b>
<b>17</b>	Operation PC with LCD/LED display, USB and Ethernet connectivity, compatible with operation software of the Wire Bonding Station and Pattern Recognition Software	<b>YES</b>



Tab. 2

Item ref.	Equipment surpassing the minimum specification	Expected range of parameter (N)	N	Formula for weighted partial score (points)
18	Vibration isolation table	N=0/1	1	N*500
19	Wedge and Gold wire for 25 $\mu$ m Wedge-Wedge wire bonding	N=0/1	1	N*50
20	Wedge and Gold wire for 25 $\mu$ m Deep-Access Wedge-Wedge wire bonding	N=0/1	1	N*50



## **Annex No. 2**

**The Seller's bid in the extent it describes technical parameters of the Equipment**



**Institute of Physics**  
The Czech Academy of Sciences

Na Slovance 1999/2  
182 23 Prague  
Tschechien

**Offer** **47/2019**  
**Date:** **03.10.2019**  
customer number.: 2.384  
official in charge: [REDACTED]  
Project: 5830  
Page: 1 / 5  
Phone: [REDACTED]  
DD:  
Fax:

Dear Sir,

we would like to thank you for the invitation to be part of the tender "Wire Bonding System".  
Identification No.:68378271

Herewith we confirm that the quoted machinery meets to 100% the specification shown in Annex No.1.

pieces	item	description	price/unit	total
Your Inquiry of 22-01-2019				
1,00 pcs.	0-0114-000	<b>Basic machine 58xx new universal style</b> <b>specification as per datasheet</b> <i>X, Y table motor driven</i> <i>Working area 150x 200 mm (6"x 8")</i> <i>Resolution 1 µm, repeatability +/- 3µm @ 3 sigma, incl. Tool / no wire</i> <i>Z-axis 100 mm</i> <i>All axes programmable from 0.2 ..30 mm/s</i> <i>Internal Dual Core PC, 3.2Ghz, 8 GB RAM</i> <i>Ethernet, USB connection,</i> <i>including Manual.</i>	[REDACTED]	[REDACTED]
		<i>Specification for the Bond-head are written on the datasheets!</i>		
1,00 pcs.	GEN-B00030	<b>Monitor LG</b>	[REDACTED]	[REDACTED]
1,00 pcs.	GEN-B00033	<b>Digital Two-Frequency-Generator</b> <b>USG-016</b>	[REDACTED]	[REDACTED]
1,00 pcs.	SOF-DLC	<b>Software Deformation Limit Control</b> <b>für 5X10/30/32/50</b>	[REDACTED]	[REDACTED]



**I.D./V.A.T. Nr.: ATU 64 45 65 28**


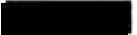








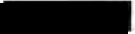

Factory place: Braunau am Inn \* Commercial register: FN 315685v Court Ried i. L. \* Tax-No.: 41 171/6764  
Managing Director/Owner: Siegfried Seidl

Austria: [REDACTED] IBAN: [REDACTED] BIC: [REDACTED]  
Germany: [REDACTED] IBAN: [REDACTED] BIC: [REDACTED]

**Institute of Physics**  
 The Czech Academy of Sciences

Na Slovance 1999/2  
 182 23 Prague  
 Tschechien





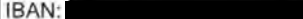

**Offer** **47/2019**  
**Date:** **03.10.2019**  
 customer number.: 2.384  
 official in charge:   
 Project: 5830  
 Page: 2 / 5  
 Phone:   
 DD:  
 Fax:

pieces	item	description	price/unit	total
1,00 pcs.	SOF-PRU	<b>Software PRU for 5XXX incl. Dongel</b>		
1,00 pcs.	5-0230-000	<b>Bondhead Wedge-Wedge 5830 incl. incident light</b> <i>For Wedge Bonding</i> - CCD camera for Adjustpoint- and Bond point equipment - purpose crosshair in the screen - 17.5 µm to 75 µm of wire diameter - 360 ° rotary Bondhead with slipping - 2 " wire reels Transducer 60 or 100 kHz		
1,00 pcs.	SOF-5830	<b>Software Wedge-Wedge</b>		
1,00 pcs.	5-0507-120	<b>LED-ring-light for 5830/5832/5850</b>		
1,00 pcs.	5-0228-850	<b>Fan for Bondhead 58xx</b>		
1,00 pcs.	5-0231-000	<b>Bondhead Deep-Access Wedge- Wedge Model 5832, incl. incident light</b>		

**I.D./V.A.T. Nr.: ATU 64 45 65 28**



Factory place: Braunau am Inn \* Commercial register: FN 315685v Court Ried i. L. \* Tax-No.: 41 171/6764










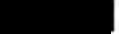


Managing Director/Owner: Siegfried Seidl

Austria:  IBAN:  BIC:   
 Germany:  IBAN:  BIC: 

**Institute of Physics**  
The Czech Academy of Sciences

Na Slovance 1999/2  
182 23 Prague  
Tschechien

**Offer** **47/2019**  
**Date:** **03.10.2019**  
customer number.: 2.384  
official in charge:   
Project: 5830  
Page: 3 / 5  
Phone:   
DD:  
Fax:

pieces	item	description	price/unit	total
		<i>For Wedge Bonding</i> - CCD camera for Adjustpoint- and Bond point equipment - purpose crosshair in the screen - 17.5 µm to 75 µm of wire diameter - 360 ° rotary Bondhead with slipping - 2 " wire reels - Ribbon capability 30x12,5 - 250x25µm - Transducer 60 or 100 kHz		
1,00 pcs.	SOF-5832	<b>Software Deep-Access Wedge-Wedge</b>		
1,00 pcs.	5-0230-300	<b>Intelligent -De-Spooler for 5830/32 Required for AU Ribbon bonding</b>		
1,00 pcs.	5-0108-950	<b>Storagebox for Bond head 5XXX In case you order 2 bond heads</b>		
1,00 pcs.	5-0114-820	<b>Temperature Controler for 58xx Manual Workholder</b>		
1,00 pcs.	5-0467-150	<b>Workholder 6x8" heated</b>		
1,00 pcs.	OPT-B00082	<b>Stereo-Zoom-Microscope Olympus SZ51 with 0,5x for 58XX/5350</b>		

I.D./V.A.T. Nr.: ATU 64 45 65 28

Factory place: Braunau am Inn \* Commercial register: FN 315685v Court Ried i. L. \* Tax-No.: 41 171/6764

Managing Director/Owner: Siegfried Seidl



Austria:  IBAN:  BIC:   
Germany:  IBAN:  BIC: 





**Institute of Physics**  
 The Czech Academy of Sciences

Na Slovance 1999/2  
 182 23 Prague  
 Tschechien

**Offer** **47/2019**  
**Date:** **03.10.2019**  
 customer number.: 2.384  
 official in charge:   
 Project: 5830  
 Page: 4 / 5  
 Phone:   
 DD:  
 Fax:

pieces	item	description	price/unit	total
1,00 pcs.		<b>Installation and Training per working day (including traveling)</b>		
1,00 pcs.	STARTERKIT AU	<b>Wedge / Wire for 25 µm AU</b> consists of: WED-B00102 / Wedge 25µm Gold WIRE-AU.HD2-25 / 25µm Gold Bonding Wire		
1,00 pcs.	STARTERKIT DA	<b>Wedge Deep Access and Wire for 25 µm Gold</b> consists of: WED-B00014 - Wedge Deep Access 25µm Gold WIRE-AU.HD2-25 - 25µm Gold Bonding Wire		

**I.D./V.A.T. Nr.: ATU 64 45 65 28**

Factory place: Braunau am Inn \* Commercial register: FN 315685v Court Ried i. J. \* Tax-No.: 41 171/6764  
 Managing Director/Owner: Siegfried Seidl

Austria:  IBAN:   
 Germany:  IBAN: 



**Institute of Physics**  
The Czech Academy of SciencesNa Slovance 1999/2  
182 23 Prague  
Tschechien**Offer** **47/2019**  
**Date:** **03.10.2019**  
customer number.: 2.384  
official in charge: [REDACTED]  
Project: 5830  
Page: 5 / 5  
Phone: [REDACTED]  
DD:  
Fax:

pieces	item	description	price/unit	total
<hr/>				
		Net:	EUR	[REDACTED]
		less 2,5451% total discount		[REDACTED]
		Net:		147.000,00
		+ 0,00 % VAT of 147.000,00	EUR	0,00
		<b>total:</b>	<b>EUR</b>	<b>147.000,00</b>

**terms of Delivery:** Ex-Works BRAUNAU  
**terms of payment:** Payment within 30 days net  
This quote remains valid till 31.10.2019.Delivery: approx. 4-6 weeks after order acknowledgement  
and clarification of all technical detailsPlace of performance shall be the premises of the Ústav teorie informace a automatizace AV CR, v. v. i., at  
Pod Vodárenskou věží 4, 182 08 Praha 8, Czech Republic, room No. 036

Please note that the VAT inside the EC is due in the country where the goods are sent to.

Warranty period starting at the date of delivery twelve months on labor and parts.

We are looking forward to hear from you and remain

with best regards

[REDACTED]  
Sales Manager**I.D./V.A.T. Nr.: ATU 64 45 65 28**Factory place: Braunau am Inn \* Commercial register: FN 315685v Court Ried i. L. \* Tax-No.: 41 171/6764  
Managing Director/Owner: Siegfried SeidlAustria: [REDACTED] IBAN: [REDACTED] BIC: [REDACTED]  
Germany: [REDACTED] IBAN: [REDACTED] BIC: [REDACTED]