



**INNOVATION**

8 allée Geoffroy Saint Hilaire  
CS 30021

**APPLICATION**

F-33615 PESSAC Cedex

**FORMATION**

Tél : (33) 05.47.74.69.00

Fax : (33) 05.47.74.80.13

**CARACTERISATION**

Mél : [rescoll@rescoll.fr](mailto:rescoll@rescoll.fr)

<http://www.rescoll.fr>

**Agréments formation**

- 72330571433 DRTEFP Aquitaine

- EWF – Certificat n° 27 pour

EAB-EWF 515

EAS-EWF 516

SIRET 437 950 173 00041 – NAF 7490B – VAT FR 81437950173

## AO 2014/10

### → Name and adress of buyer organism :

RESCOLL, Société de recherche,  
8 Allée Geoffroy Saint Hilaire CS 30021  
33615 PESSAC, FRANCE  
Tel : +33.5.47.74.69.00  
Fax : +33.5.47.74.80.13

### **Contact :**

Commercial : Konstantin SIPOS : [konstantin.sipos@rescoll.fr](mailto:konstantin.sipos@rescoll.fr)

Technic :

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➤ Florent DELIANE : [florent.deliane@rescoll.fr](mailto:florent.deliane@rescoll.fr)

### → Scope of the offer:

Acquisition of a tribometer for coefficient of friction measurement

### → Main characteristics :

The apparatus should be able to:

- Apply a normal force onto a sample.
- Perform friction force, coefficient of friction measurements.

Technical specifications:

- Pin-on-disc/ball-on disc configuration.
- Force range should be between 1 to 30 N.
- The wish displacement is linear in order to adapt to most of the substrates but a rotative displacement could be adapted on the device.
- Coefficient of friction should be visualised in real time.
- Device should fullfill ASTM G 99.



Accréditation N°1-1995  
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- Device should be versatile in order to test several samples with different geometries.
- Sample holder should be adapted to several geometries.

Optional :

- Wear measurements could be performed
- It could be possible to coat the pin/balls in order to measure the coefficient of friction between the two same coatings.
- Others configurations could be adapted on the device: planar contact, cross cylinder...
- Rotational displacement
- Coefficient of friction could be measured with oil lubricant

Documentation:

- Description of the installation, certificate of calibration of monitoring point toward a qualification of the line. Including but not limited to :
- FDS (Functional Design Specification)
- Complete parts lists
- Material certificates for all product contact parts
- Surface roughness measurements for all product contact parts
- Wiring diagram
- Instrument calibration documentation
- Documentary system for the IQ, OQ, PQ qualification

Maintenance:

- Hotline and online maintenance availability
- List of non-standard (custom made) spare parts and their respective costs

Quote should include :

- Detailed quote for each accessory and the device and the PC piloting the device.
- Detailed quote for consumables (balls, pins)
- Price must be CIF.
- Unloading, unpacking, set up
- Support for IQ and OQ on site at Rescoll



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- Equipment Induction/training on site at Rescoll
- Delivery deadline
- Warranty:
- A guarantee of minimum 2 years and specify conditions of payment

Criteria for the bid

The most advantageous offer commercially speaking will be appreciated according to the following with their weighting

1. Technical criteria : 40 % ;
2. Price : 50 % ;
3. After sales services and technical assistance : 5 %.
4. Delivery deadline 5%



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