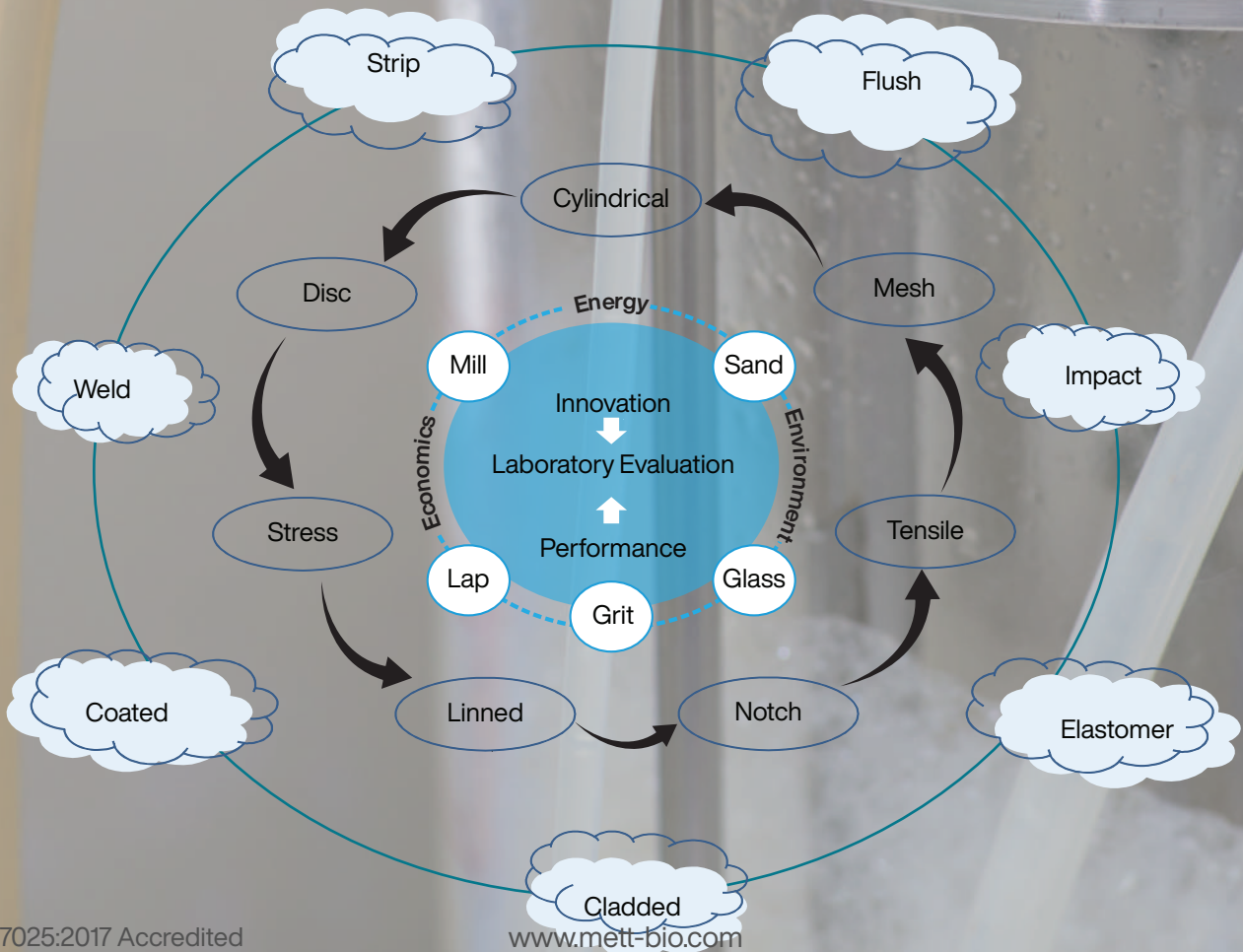


OUR TEAM OF CORROSION EXPERTS CAN ALWAYS AID YOU IN INTERPRETING THE ANALYSED RESULTS AND HOW TO EMPLOY THE ANALYSED DATA TO IMPROVE THE OPERATION EFFICIENCY.

CORROSION

COUPON STUDY & APPLICATIONS



CORROSION ANALYSIS

How it works for our Customers ?

Mett-Bio offers analysis services for corrosion coupons. We offer highly customised corrosion coupon analysis services allowing customers to choose from number of options that are relevant as per requirements. We can analyse your corrosion coupons on a per-batch basis, providing results within a few days of receiving the samples.

Why should you get a Corrosion Study conducted?

The maintenance and repair cost of equipment's viewed in terms of corrosion requires accurate monitoring of corrosive environment. Test coupons provide an inexpensive means of on-line monitoring that will allow you to effectively measure the corrosivity within your system. By observing the mils-per-year corrosion rate of an exposed coupon, valuable information can be provided regarding the material's life expectancy.

The simplest, and longest-established, method of estimating corrosion losses in plant and equipment is weight loss analysis. A weighed coupon of the metal or alloy under consideration is introduced into the process, and later removed after a reasonable time interval. The coupon is then cleaned of all corrosion product and is reweighed. The weight loss is converted to a corrosion rate (CR) or metal loss (ML). The technique requires no complex equipment or procedures, merely an appropriately shaped coupon, a carrier for the coupon (coupon holder), and a reliable means of removing corrosion product.

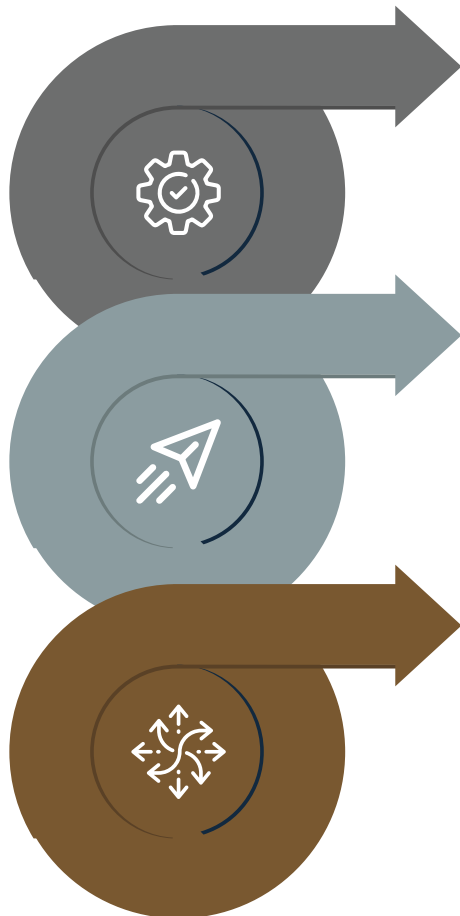
Procurement & Process Flow



Coupon tests are cost-effective and straightforward, enabling the simultaneous evaluation of various materials and their different forms. They can assess variations in alloy composition and metallurgical properties, such as heat treatment effects, microstructure, welding, and stress. These tests are adaptable for evaluating specific corrosion types, including crevice and galvanic corrosion.

Mett-Bio offers customized coupons in any size, shape, or material required, with options for stencilling alloy and sequence numbers for proper identification. Each order includes mill test reports detailing the elemental compositions of the materials used. Beyond analysis, our team of corrosion experts is available to assist in interpreting the results and applying the data to enhance operational efficiency.

Atractive features & key benefits



Simple

No sophisticated instrumentation is required to obtain a result

Direct

A direct measurement is obtained, with no theoretical assumptions or approximations

Versatile

It is applicable to all corrosive environments, and gives information on all forms of corrosion.