

PROMOCO

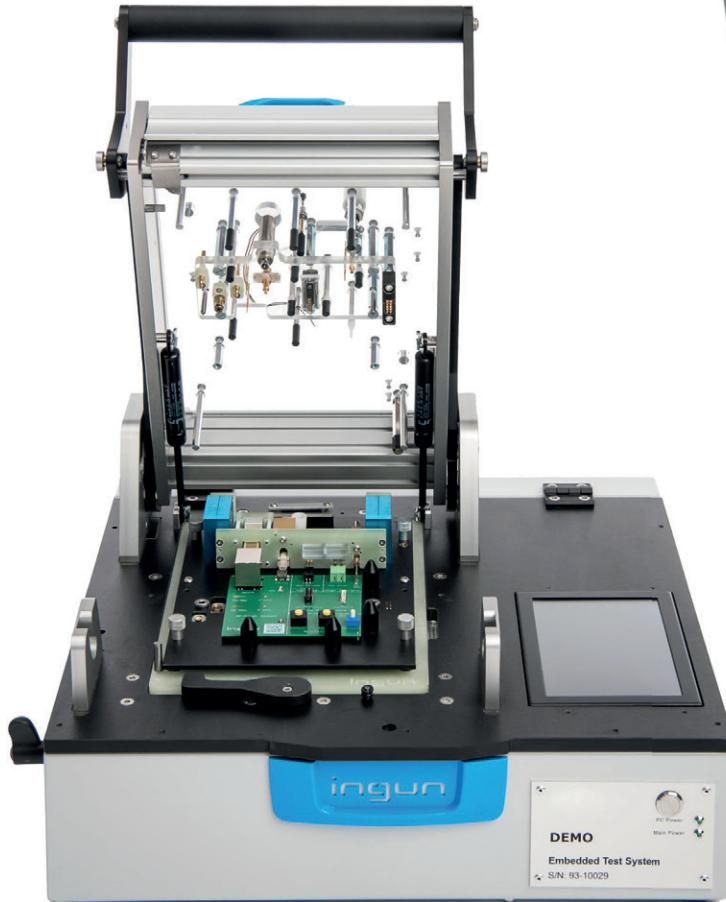


Embedded Test System

A New Generation of Smart Test Systems

- **All-in-one solution with test fixture and a computer with operators' panel.**
- **Cassette system for easy exchange between test objects. The one and same unit also contains tester specific boards as power supply, DMM, IO channels, relay MUX and stimuli generator for the test object.**
- **Flexibility - The modular design allows possibility to extend the system's capabilities by adding more boards or external devices according to the complexity of the test.**
- **All test data can easily be uploaded to a central database, NEP TestNet. That also includes analyze functions as yield, statistics, traceability etc.**
- **Accuracy, versatility, compactness, flexibility and a user-friendly interface, a smart test solution.**





Following table lists the content of a standard Embedded Test System:

| Content* | Description | Features |
|-------------------------------------|--|---|
| Fixture | Ingun fixture MA21XX 3 sizes: S, M, L | <ul style="list-style-type: none"> • With fixture cassettes • Usable DUT area: Size S 150x240 mm Size M 285x240 mm Size L 440x310 mm |
| Computer | Industrial Windows/Linux based PC with attached touchscreen. | <ul style="list-style-type: none"> • External connectors for Ethernet and USB |
| Backplane | Provides an interface between the PC and the instrument boards to the bed of nail fixture. | <ul style="list-style-type: none"> • Slots for up to six boards |
| Power Board (std, 1 unit) | The power board is designed to power the unit under test. It provides two independent variable voltage outputs with current measurement and limiting capabilities. | <ul style="list-style-type: none"> • 2 isolated output channels • Provides up to 30V – 1A on each channel • Current measurement and limit capabilities • Controlled through CAN-bus |
| Relay Board (std, 1 unit) | General purpose relay switches | <ul style="list-style-type: none"> • 30 Channels • 5 groups with 6 channels • Controlled through CAN-bus |
| DMM (std, 1 unit) | This is a general purpose multi meter for measuring voltage, current and resistance. | Computer controlled |

*Subject to be changed without further notice.

Following table lists options for the Embedded Test System:

| Content* | Description | Features |
|---------------------------------------|--|---|
| Relay Board (opt, 2nd unit) | General purpose relay switches (2nd unit to achieve 60 channels) | <ul style="list-style-type: none"> • 30 Channels • 5 groups with 6 channels • Controlled through CAN-bus |
| IO Board (opt) | General purpose IO board with the capability to test serial interfaces. (Not available yet) | <ul style="list-style-type: none"> • 16 opto-coupled digital IOs • 8 analog inputs • 4 analog outputs <ul style="list-style-type: none"> • Serial interfaces • USART/UART • SPI • I2C • Controlled through CAN-bus |
| Function Generator (opt) | The board is designed to generate sine, triangle and square waveforms, up to 20MHz with adjustable amplitude, multiplexed into 8 different outputs. (Not available yet) | <ul style="list-style-type: none"> • Sine, triangle, saw-tooth and square waveforms <ul style="list-style-type: none"> • Up to 20MHz • Adjustable amplitude • Controlled through CAN-bus |
| Others | Other add-on boards like programmer board, specific relay boards, etc. can be designed for different customers according to their test requirements. | |

*Subject to be changed without further notice.

PROMOCO

About Us

We are a partner and supplier of products and solutions. Our offer includes customisation where necessary and an optimal logistical structure. For best results, we believe that personal contacts and open dialogue is the right way to go.

Quality

We value high quality at all stages of the business. We are constantly working on improving and aim to grow by providing continued high quality and customer satisfaction.



Environment

We work towards sustainable development of the environment, which means that we are continuously reducing the environmental impact of the business.



About Us

Our business concept is to offer cost-effective production-ready constructions and solutions as well as test systems. The target segments are Industrial and Medical Technology. Areas of expertise are built-in electronics hardware and software, test solutions for PCBA, product development and mechanical design. Prototype production and production support.

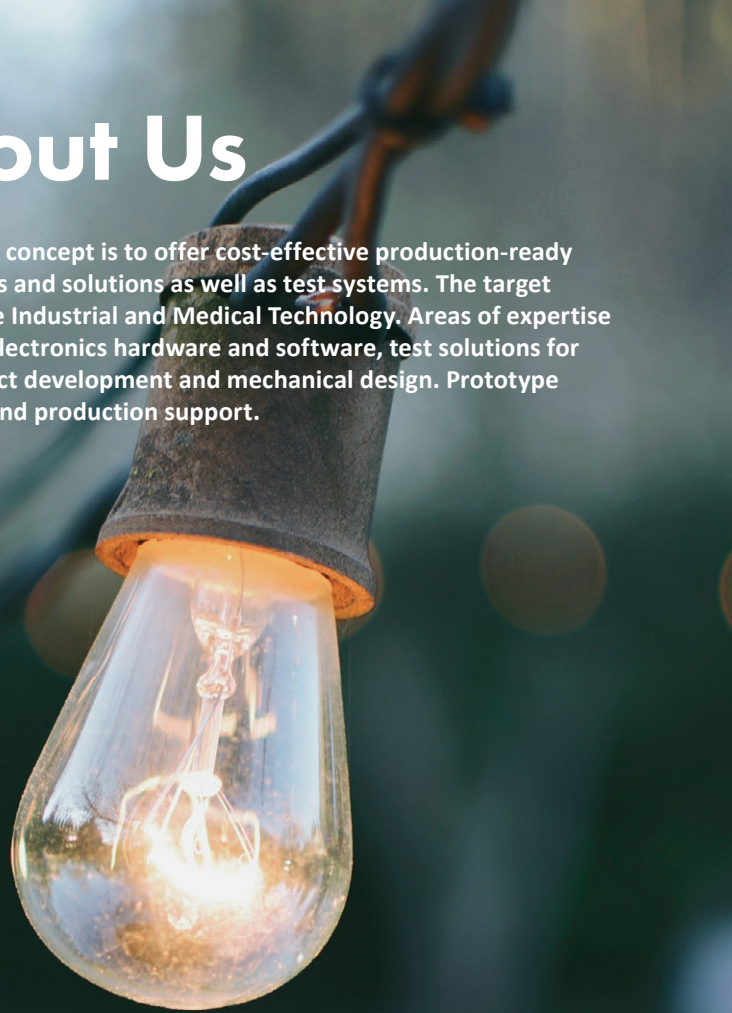
Quality

We strive for long-term customer relationships, we see ourselves as a reliable and sustainable partner for design, technology and test development. The most important thing for us is to help our customers achieve their goals. We have a high focus on requirements, clarity and transparency as well as the ability to change with our customers' needs.



Sustainability

Sustainability and the environment are fundamental aspects of NEP's operations, hence the choice of our logo (digitized sun). Therefore, the engineering work NEP does internally and with our customers must be permeated by an environmental thinking with the goal of minimizing the environmental impact in the best possible way.





Contact Promoco

Katarina Hilton

Phone: +46 72 573 71 50

katarina.hilton@promoco.se

Promoco Scandinavia AB

Propellervägen 6B

183 62 Täby, Sweden

www.promoco.se

Contact NEP

Mats Anjou

Phone: +46 70 373 23 43

mats.anjou@nepartner.se

NEP Norrtälje AB

Hantverkaregatan 11

761 30 Norrtälje, Sweden

www.nepartner.se