Engineered for Excellence in Indigenisation
(Import Substitute)

Electronic System Engineering (ESE) Services

Since 1989, Twintech is a solution oriented company, offering Electronic System Engineering (ESE) Services.

ESE is a multidisciplinary field focused on designing, developing and managing complex electronic systems.

It involves integrating multiple engineering domains such as electronics, software, mechanical, and control engineering to create systems that meet specific performance, functionality and reliability requirements.

This engineering process encompasses the entire lifecycle of an electronic product from concept and feasibility studies to design, manufacturing, deployment and maintenance.
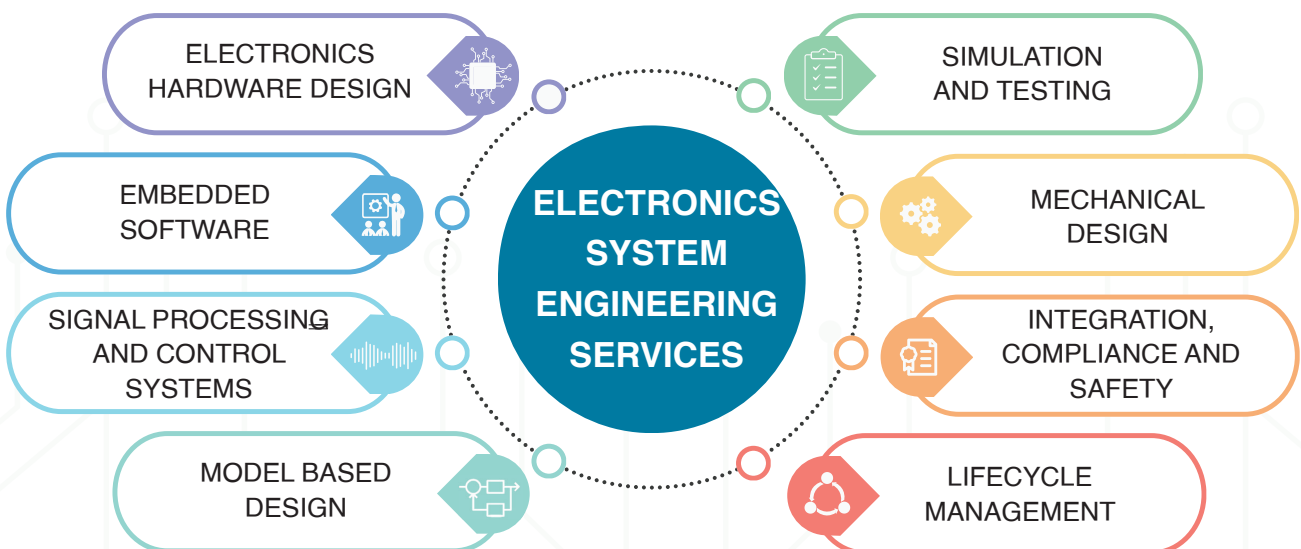
> " Switching to import substitute parts was one of the best decisions I've made. Not only are they cost-effective but the support from the Twintech team has been outstanding."

> " Their innovative approach to product development allowed us to create unique offerings that resonated with our customers."

ELECTRONICS SYSTEM ENGINEERING SERVICES

- ELECTRONICS HARDWARE DESIGN
- EMBEDDED SOFTWARE
- SIGNAL PROCESSING AND CONTROL SYSTEMS
- MODEL BASED DESIGN
- SIMULATION AND TESTING
- MECHANICAL DESIGN
- INTEGRATION, COMPLIANCE AND SAFETY
- LIFECYCLE MANAGEMENT

Our Clients

MADHURA SINCE 1994 | JA MAN | PUZZOLANA | SCHAEFFLER | SEROS

ESE Services : Electronic Hardware Design l Embedded Software l UI Design l Industrial IOT l Android

Twintech Control Systems Pvt. Ltd. Pioneering Indigenisation in Electronic Parts design & development, so offering Electronic System Engineering (ESE) services.

Twintech is reshaping the electronics industry by focusing on locally designed and manufactured components tailored to meet global standards. By emphasizing on Indigenisation, Twintech supports the vision of reducing dependency on imports while fostering a robust domestic manufacturing ecosystem. Twintech's commitment to quality is evident in their adherence to ISO 9001:2015 standards, maintaining this certification for over 20 years.

Since 2014, under these ESE services, Twintech have designed import substitute electronic speed sensors, Hall Effect Sensors, Round type Hour Meter and CAN bus display systems and many other electronics parts for various industry sectors.

Partner with us to experience excellence in homegrown electronic solutions designed to meet the demands of a global economy. For detailed information please visit to our website- www.twintechcontrols.com

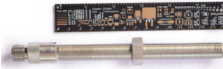## Magnetic Speed Sensor types (MOQ 30 Nos.)

5/8" 18 UNF THREADS

1. MENSA SPEED SENSOR 5/8" 18UNF
- Threading Length : 76 mm
- Sensor Connector : N.A.
- Cable Length : 300 mm Teflon wires White / Black 1 Sq mm
- Coil Resistance : 800 to 1500 Ω

2. GRUS SPEED SENSOR
- Threading Length : 50 / 76 /114 mm
- Sensor Connector : 2 Pin Male Military Style connector
- Cable Length : 2 Meters long with Female Connector
- Coil Resistance : 800 to 1500 Ω

3. ARA SPEED SENSOR
- Threading Length : 50/ 76/114/152 mm
- Sensor Connector : 2 Pin Male Assembly mating with MS connector
- Cable Length : 2 Meters long with Female MS Connector
- Coil Resistance : 800 to 1500 Ω

3/4" 16 UNF THREADS

4. CARINA SPEED SENSOR DO-MPU
- Threading Length : 90 mm
- Sensor Connector : N.A.
- Cable Length : 600 mm 1 Sqmm Black Wires
- Coil Resistance : 800 to 1500 Ω
- Output : Dual

3/8" 24 UNF THREADS

5. RETI SPEED SENSOR
- Threading Length : 70.0 mm
- Sensor Connector : N.A.
- Cable Length : 1.8 M Teflon wires 2 core shielded
- Operating Temp : -40 °C to +106 °C
- Coil Resistance : 800 to 1500 Ω

M12 THREADS
(MOQ 30 Nos.)

6. TRI HALL SPEED SENSOR M12 X 1.0
- Threading Length : 60 / 100 / 120
- Probe Connector : Teflon wires 3 core cable
- Cable Length : 1.0 Meters

M16 THREADS
(MOQ 30 Nos.)

7. PYX HALL EFFECT SPEED SENSOR M16 X1.0
- Threading Length : 50 mm
- Probe Connector : Military Style Connector 3 Pin Male
- Cable Length : Military Style Connector 3 Pin Male
- Operating temperature : -40 °C to +105 °C
- Output Type: Sqaure Wave

8. TUCANA SPEED SENSOR M16 X1
- Threading Length : 50 mm
- Material : Brass / SS 304 Non magnetic
- Probe Connector : 3 Pin Connector MRS Series
- Cable Length : 2 core sheilded cable 600 mm With Round lugs
- Operating temperature : -20 °C to +85 °C
- Coil Resistance : 800 to 1.5 K Ω
- Lock nuts : 2nos

New Digital Hourmeter
(MOQ 50 Nos.)

PART NAME : DIGITAL HOUR METER
Part No. TDHM3700
- Supply : 9-60 V. DC
- Input : 12-24 V. DC
- Display : LCD Display 6 digits with Back light
- IP : 65
- Cut out size : 52 mm Dia

CAN Bus Displays
(MOQ 10 Nos.)

CAN bus display 4.5"
- Supply : 9 to 36 V DC
- Input: CAN/ 4 inputs
- Display : TFT Colour Display 4.5"TFT LCD
- Resolution : 480X854
- Brightness : 300 cd/m²
- Operating Temperature : -20 to +70° C
- IP : 65
- Accuracy : 0.50%
- Connector: TE Connector Automotive Connector
- Mounting: Panel / Surface

200+ types of MPU Available all over India through 100 Associates