

# TRAINING SPECIMEN CATELOQ

Designed for

**KOLEJ VOKASIONAL -WELDING**



**MEMBANTU GURU DALAM PEMBELAJARAN TEKNIKAL**

- **PRAKTIKAL**
- **MUDAH**
- **KUALITI**

---

FLAWMAXS TECHNOLOGIES  
NO 2C JALAN PULAI PERDANA 11/1. TAMAN SRI PULAI PERDANA  
81300 SKUDAI JOHOR BAHRU . JOHOR  
E-Mail : [inquiry@flawmaxs.com](mailto:inquiry@flawmaxs.com).

## VISUAL FLAW SPECIMEN

Brand : **FLAWMAXS**

Book Price:

**THE Visual KITS** was design for TRAINING in the WELDING INSPECTION technologies . We are developing specimen made from **Polyethylene (Plastic )** and incorporated most severe flaws for the student to practicing .  
All in One (1) safety PP Case

### Product Description

**Visual Specimen for Welding Visual Inspection consist of :-**

- 8 sets of DEMO Plates ( Size : 300 x 200 x 8 mm )
- 4 sets of Plates ( Size : 200 x 200 x 8 mm )
- 4 sets of T joints ( Size : 200 mm x 200 mm x 100mm x 8 mm)
- 4 Sets of Pipes ( ½ Moon Dia 160 mm x 200 mm x 8 mm (w.t)



### Our Product Advantages

- **SIZE OF SPECIMEN** — ( ABLE TO CATER WELDING GAUGE SEAT)
- **MATERIAL FROM PLASTIC** — LIGHT AND CHEAP and PAINTED LIKE REAL STEEL
- **3 MAJOR FLAWS** DEVELOPED IN EACH SPECIMEN
- **1 PP Safety Case** EASY FOR SITE TRAINING TRAVELING AND STORAGE.



: [inquiry@flawmaxs.com](mailto:inquiry@flawmaxs.com)



: +6016 2745660

#### Material

Polyethylene (Plastic)

#### Quality Document

Certificate  
Tracing Report  
International Visual Inspection Code ( Table ) -- For reference

#### Delivery to door

2 weeks

#### Others

All come in PP Safety Case

#### Approximate Weight

10.0 kg



**AVAILABLE ALSO FOR TRAINING AND EXAMINATION PURPOSE**

## DPI FLAW SPECIMEN KITS

Brand : **FLAWMAXS**

Book Price:

**MYR: 6 800.00**

**THE DPI KITS** was design for the beginner in the WELDING INSPECTION technologies . We are developing easy technique for the Candidate to understanding DPI Inspection Method. The DPI Kit incorporated most severe flaws for the student to practicing . All come in one (1) Case

### Product Description

#### DPI Kit Specimen contain:-

##### DYE PENETRANT KIT mengandungi :-

- 2 keping DEMO Plate
- 8 Keping Practical Plate ( Material : Stainless Steel )

##### Kelebihan

- Skima Pemarkahan
- 3 jenis keretakan (*Weld Crack*) setiap sepcimen
- Penjimatan penggunaan Chemical semasa latihan
- Tahan karat.
- Supply with CAD Drawing
- **THE DPI KITS** was design for the beginner in the DPI technologies . We are developing specimen that user friendly . Easy storage , less consumables use and easy cleaning.



: [inquiry@flawmaxs.com](mailto:inquiry@flawmaxs.com)



+6016 2745660



#### Material

Stainless Steel

#### Quality Document

Certificate  
Tracing Report

#### Delivery to door

4 weeks

#### Others

All come in 1 training case

#### Approximate Weight

26 .0 kg

**AVAILABLE ALSO FOR TRAINING AND EXAMINATION PURPOSE**

## MPI FLAW SPECIMEN

Brand : **FLAWMAXS**

Book Price:

**MYR: 6 300.00**

**THE MPI KITS** was design for the beginner in the WELDING INSPECTION technologies . We are developing easy technique for the Candidate to understanding MPI Inspection Method. The MPI Kit inco. student to practicing . All come in one (1) Case

### Product Description

#### MPI Kit Specimen contain:-

##### MPI KIT contains :-

- 8 Pcs Practical Plate

##### Advantages

- Marking Scheme
- Master Report
- 3 Flaws ( Crack ) in each Specimen
- All in 1 case

- **THE MPI KITS** was design for the beginner in the MPI technologies . We are developing specimen that user friendly . Easy storage , less consumables use and easy cleaning.



: [inquiry@flawmaxs.com](mailto:inquiry@flawmaxs.com)



+6016 2745660

#### Material

Carbon Steel

#### Quality Document

Certificate  
Tracing Report

#### Delivery to door

2 weeks

#### Others

All come in 1 training case

#### Approximate Weight

26 .0 kg



**AVAILABLE ALSO FOR TRAINING AND EXAMINATION PURPOSE**

## UT FLAW SPECIMEN KITS

Brand : **FLAWMAXS**

Book Price:

**MYR: 9 980.00**

**THE UT KITS** was design for the beginner in the WELDING INSPECTION technologies . We are developing easy technique for the Candidate to understanding UT Inspection Method. The UT Kit incorporated most severe flaws for the student to practicing . All come in one (1) Case

### Product Description

#### UT Kit Specimen contain:-

- **Demo Specimen : 3 pcs Size : 100mm x 200mm x 12mm**  
This demo plate useful for the beginners to understands
  - Technique of Scan using 3 different probe angle
  - Common Welding Flaw identification
  - Flaw wave pattern

**Note :**

*All the Demo Block , the flaws location clearly mark at specimen together with size, type and location of welding flaw.*

- **Practical Specimen :**
  - 3 pcs plate , Size : 100 mm x 200mm x 12 mm
  - 1 pcs ½ moon pipe . Size : 6 in Sch 80
  - Supply with CAD Drawing .
- **Lamination plates specimen : 1 set**



: [inquiry@flawmaxs.com](mailto:inquiry@flawmaxs.com)



: +6016 2745660

#### Material

Carbon Steel

#### Quality Document

Certificate  
Tracing Report

#### Delivery to door

2 weeks

#### Others

All come in 1 training case

#### Approximate Weight

26 .0 kg



**AVAILABLE ALSO FOR TRAINING AND EXAMINATION PURPOSE**



## REFERANCE RADIOGRAPHIC FILM KITS

Brand : **FLAWMAXS**

Offered Price :

**MYR 5 600.00**

**THE RI KITS** was design for the beginner in the WELDING INSPECTION technologies .  
The developing specimen design most severe flaws for the student to practicing .  
All come in one (1) Case

### Product Description

#### The Reference Radiographic Film Kits

consist of :-

##### 1. Reference Radiograph Films

- 10 sets of DEMO Film : ( To recognized welding flaws image )
- 10 sets of Practical Films : ( Training in tracing welding flaws )
- 10 sets of Exam films.

##### 2. Radiograph Films Viewer

- Bright LED light
- Switch either manual or foot switch
- Size : 400 mm x 60 mm x 120 mm
- Cool Operation
- Instant On/Off
- Nominal 30,000 hours lifetime for LEDs
- Higher Intensity than Conventional Units



#### Material

Films : High Quality Film 10 " size

#### Quality Document

Certificate  
Tracing Report

#### Others

All come in 1 training case

#### Approximate Weight

8.0 kg

## Metallographic Specimen Kit

Brand : **FLAWMAXS**

Offered Price :

**MYR 6 800.00**

The **Metallographic Specimen Kit** was design for the beginner in the WELDING INSPECTION technologies .  
The developing specimen design most Steel for the student to practicing .  
All come in one (1) Case

### Product Description

#### The Reference Radiographic Film Kits

#### Consist of :-

##### 10 Block :

This block useful for the beginners to understands

- Pattern of Micro structure
- Basic analysis of Micro Structure

##### • Metallographic Specimen 5 blocks

- Dead Mild Steel
- Low Carbon Steel
- Medium Carbon Steel ( Annealing )
- Medium Carbon Steel ( Normalizing)
- Harden Steel .

##### • Surface Grinding Specimen 5 Blocks

- Single Vee Joint Configuration
- Double Vee Joint Configuration
- Lap Joint
- Single Bevel Joint Configuration
- Double Bevel Joint Configuration



: [inquiry@flawmaxs.com](mailto:inquiry@flawmaxs.com)



+6016 2745660



#### Material

Carbon Steel

#### Quality Document

Certificate  
Micro Structure Image

#### Delivery to door

4 week

#### Others

All come in 1 training case

#### Approximate Weight

26 .0 kg

## METALLOGRAPHIC MICROSCOPE

Book Price:

**MYR: 6 800.00**

The 4XC computerized metallurgical microscope is a trinocular inverted metallurgical microscope, equipped with an excellent long focal length planachromatic objective lens and a large-field plan eyepiece, the illumination system adopts the Koehler illumination method, and the field of view is uniformly illuminated.

### Product Description

#### Metallographic microscope configuration

- Optical system Limited distance chromatic aberration correction optical system
- Hinged binocular tube, 30° tilt; trinocular tube, pupil distance and diopter adjustable.
- Sony chip 3 million camera device, 0.65X adapter lens interface

Standard objective (Long Anomaly Plan Achromatic objective lens)

- PL L 10X/0.25 WD8.90mm
  - PL L 20X/0.40 WD3.75mm
  - PL L 40X/0.65 WD2.69mm
- Ball positioning four-hole converter
  - Focusing mechanism
    - Coaxial coarse and fine focus adjustment, fine adjustment scale value: 0.002mm; stroke (from the focus on the surface of the stage): 30mm. Coarse movement tightness adjustable, with locking and limiting device

#### Lighting system

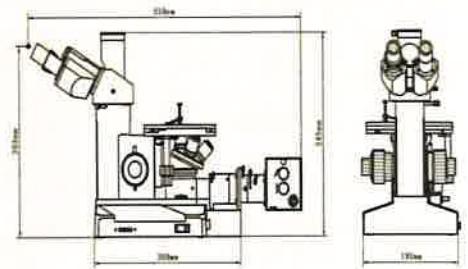
With the Kolar illumination method, the aperture diaphragm and the field diaphragm can be adjusted through the dial, which is smooth and comfortable. The optional polarizer can adjust the polarization angle by 90° to observe the microscopic images in different polarization states

#### Note :

**Above price without computer**



PLL long distance objective  
Sony chip camera



: [inquiry@flawmaxs.com](mailto:inquiry@flawmaxs.com)



: +6016 2745660

Material

Quality Document

Delivery to door

4 weeks

Others

Approximate Weight

8.0 kg



## HEAT TREATMENT FURNACE

Brand : **FLAWMAXS**

**Heat Treatment Furnace** are mainly for the daily application development of the laboratory, high-quality furnace materials and stable temperature control system to ensure the reliability of the experimental data; the product uses high-purity alumina material as the furnace material, and the high-quality silicon carbide rod is used for heating element, and the temperature controller uses microcomputer PID control module to achieve precise temperature control and constant temperature requirements.

### Product Description

#### Specification:-

- Chamber Size (W x L x H) : 250x300x250 mm
- Type : Bench Top
- Furnace Structure : Alumina Ceramic Chamber, Temperature control system, electric parts and other relative accessories
- Max Temperature : 1200 ° C
- Continue Operating Temp. : 1300°C
- Heating Element : Quality Silicon Carbide Rod (SiC) heater
- Chamber Material : High Temperature 1500 Type polycrystalline alumina ceramic fiber Material
- Temperature Controller : SHIMADEN (Japan) brand intelligent microcomputer PID controller can program 4 groups 32 segments
- Electronic Component : SCHNEIDER ( France) electronic brand.



**Book Price:**

**MYR: 15 800.00**

#### Document

Certificate  
Warranty Card 1 year

#### Others

##### Package include

- One pair of high temperature furnace gloves
- One pair of crucible stongs
- One catalogue and operation manual

#### Training .

Demo Included during delivery

#### Approximate Weight

TBA

## METALLOGRAPHIC SPECIMEN GRINDING & POLISHING MACHINE

Brand : **FLAWMAXS**

Listed Price :

**RM 9 800.00**

**Model MP-2 Metallographic specimen grinding & polishing machine** is equipped with double discs, and it can finish grinding or polishing with two different speeds. The rotating speed of left disc (pre-grinding disc) is 450 rpm and right disc (polishing disc) is 600 rpm.

### Product Description

#### Model MP-2 Metallographic specimen grinding & polishing

##### Consist of :-

- Grinding disc Rotating speed: 450 rpm
- Polishing disc Rotating Speed: 600 rpm
- grinding disc diameter: 230 mm
- polishing disc diameter: 200 mm
- sand paper and polishing cloth diameter: 200 mm
- Motor power: 370 W
- Power supply: 220 V 50 HZ



##### Features:

- Two level constant speed of 450 rpm (grinding disc) and 600 rpm (polishing disc)
- Quick exchanging disc. The working disc can be changed and replaced swiftly.
- Equipped with water cooling tap.

##### Dimension

70\*60\*28 CM

##### Document

Certificate  
Warranty Card 1 year

##### Others

##### Training .

Demo Included during delivery

##### Approximate Weight

40.0 kg