

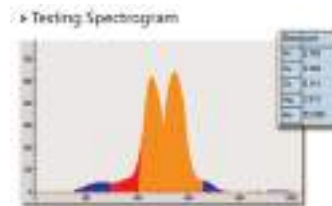


AL SAHL GEN TR LLC

📍 P.O Box: 97670, Sharjah - UAE ☎ 0501512433 | 0552121777 | +91 9847498562

✉ info@alsahuae.com

G6 XRF EDS 5000



The XRF EDS 5000 optimized for fast cost effective and non destructive analysis of gold jewellery, coins and precious metals Further more, the instruments are well suited for determining the thickness of gold coatings on gold alloys on sterling silver and rhodium coatings on gold alloys

TECHNICAL PARAMETERS

Elemental analysis ranges	From Calcium(Ca) Touranium (U)
Medurement Object	Solid, Power, Liquid
Analysis Range	1% ~ 99.99%
Expand uncertainty	±0.3%
High voltage power supply	≤0.36%
Detector	4 ~ 50 KV / 0 ~ 1mA
Testable elements	Gold Silver Copper Zinc Nickel Platinum Cadmium Iridium Rhodium
X-Ray source	Molybdenum target X-ray tube (no radiation)
Test Time	Adjustable from 10-60 seconds
Test point diameter	6mm
Environment Temperature	0C ~ 20C
Environment humidity	<70%
Input voltage	AC 220V + 5V, Recommended to configure AC purification voltage regulator power supply
Sample cavity size	310mmx240mmx90m
Instrument Diamentions	430mmx430mmx370mm
Instrument Power	120W
Net Weight	27Kg

G6 XRF EDS 6800



EDS6800T precious metal analyzer is a portable Energy dispersive X-ray fluorescence spectrometer developed by our company. This instrument can quickly and accurately analyze gold, platinum, gold, silver, K gold and other jewelry ingredients. The instrument is Simple, the size is small, the work efficiency is high, and the results can be achieved in one minute. EDS6800T precious metal analyzers are widely used in industries such as quality inspection, jewelry production, sales, land and mines, pawn, precious metals, pure metals, and schools.

TECHNICAL PARAMETERS

Elemental analysis ranges	From Calcium(Ca) Touranium (U)
Medurement Object	Solid, Power, Liquid
Analysis Range	1% ~ 99.99%
Expand uncertainty	±0.3%
High voltage power supply	≤0.36%
Detector	4 ~ 50 KV / 0 ~ 1mA
Testable elements	Gold Silver Copper Zinc Nickel Platinum Cadmium Iridium Rhodium
X-Ray source	Molybdenum target X-ray tube (no radiation)
Test Time	Adjustable from 10-60 seconds
Test point diameter	6mm
Environment Temperature	0C ~ 20C
Environment humidity	<70%
Input voltage	AC 220V + 5V, Recommended to configure AC purification voltage regulator power supply
Sample cavity size	310mmx240mmx90m
Instrument Diamentions	430mmx430mmx370mm
Instrument Power	120W
Net Weight	27Kg

G6 XRF EDS 9900 & 8000



EDS8000/9800/9900 precious metal analyzer uses the latest Si-pin/SDD/FSDD detector far better than proportional counter detector. The contents of gold, silver, platinum, palladium, iridium, zinc, rhenium in gold Platinum and gold ornaments can be analyzed accurately. It provides higher accuracy and precision. High resolution clear camera positioning and one click intelligent operation makes the precious metal detection becomes so simple.

TECHNICAL PARAMETERS

	EDS 8000	EDS 9900
Elemental analysis ranges	Sodium (Na) to Uranium (U)	Sodium (Na) to Uranium (U)
Analysis object	Solid, power, Liquid	Solid, power, Liquid
Analysis Range	1ppm-99.99%	1ppm-99.99%
Mesure Accuracy	0.05% (Au %>96%)	0.01% (Au %>96%)
Expand uncertainty	±0.19%	±0.19%
High voltage power supply	5 - 50Kv	5 - 50Kv
X-ray tube current	50-1000uA	50-1000uA
Camera	HD industrial camera	HD industrial camera
Detector and resolution	Si-pin Detector (149±5eV) ^{USA}	SDD detector (135±5eV) ^{USA}
Test elements	72 elements including Ag, Au, Cu, Zn, Pd, Cd, Ir, Ru, In, W, Os	72 elements including Ag, Au, Cu, Zn, Pd, Cd, Ir, Ru, In, W, Os
Test point diameter	2mm	2mm
Mesuring Time	Adjustable from 10 to 200 sec	Adjustable from 10 to 200 sec
Environment temperature	0°C -20°C	0°C -20°C
Environment humidity	≤70%	≤70%
Input Voltage	AC220+5V	AC220+5V
Sample chamber size	368mm*298mm*86mm	368mm*298mm*86mm
Instrument diamentions	615mm*418mm*315mm	615mm*418mm*315mm
Instrument power	180w	180w
Net weight	50Kg	50Kg

HAND HELD - G6 XRF EDS 10000



G6 EDS 10000 is hand held X-Ray fluorescence spectrum analyzer with Silicon Drift Detector/Silicon Pin Diode (optional). It can be used to perform positive material identification (PMI) and verification.

The G6 EDS 10000 is a portable machine, specially designed to test large-sized articles that don't fit in desktop testing machines.

The instrument has an extremely user friendly software for fast and easy analysis. It comes pre-calibrated with international standards and, results can be obtained in qualitative as well as quantitative formats. Data can be stored and can take print out if required.

TECHNICAL PARAMETERS

Weight	t 1.5Kg (Without battery)
Size	254x79x280mm(LxWxH)
Detection charge	Al-U
Language	Chinese, English and other languages
Detector	Si-PIN Detector
Optical structure	Oblique optical path
Light window	Be Window
Collimator	The instrument is equipped with a 1.5mm collimator, which not only helps to reduce back-recording noise, but also helps to improve resolution and measurement accuracy
Built-in computer	±0.03% (999 Au)
Display system	4.3-inch industrial-grade resistive touch screen automatically adjusts display brightness according to external ambient brightness
Computer parameter	i.mx6 Quad quad-core Cortex-A9 processor
Algorithm	XRF analysis methods such as correction curve method and basic parameter method (FPmethod) are integrated to eliminate the maximum difference, reduce the analysis error, and improve the detection accuracy
One click test button	Yes
Algorithm	The built-in camera not only helps provide users with intuitive sample positioning and image recording functions, but also ensures that X-rays are accurately illuminated to the target area. At the same time, the accuracy of the operation is improved.
Data transmission	Built-in 32G memory, USB, Bluetooth
Power System	Equipped with 2 MSBUS smart batteries. A single battery can work for about 8 hours, and the remaining capacity of the battery can be directly viewed. Comply with the Transport of dangerous Goods by Air Regulations.

LASER MARKING MACHINE - G6 LM 20



Small in size but big on functionality, The Spear is a cutting-edge tabletop fiber laser marking machine that surpasses all expectations of a laser marking device. This remarkable machine is capable of flawlessly marking texts at various image formats, including png, jpg, jpeg, bmp, pg.jpeg, bmp, dxf, and pit. The Spear is accompanied by user-friendly software that can be effortlessly accessed through the Windows operating system. The machine is equipped with USB ports, allowing seamless connectivity for external thumb drives, mouse, and keyboards.

TECHNICAL PARAMETERS

Laser Power	20W/50W/100W
Laser source	IPG/MAX/JPT/Raycus
Optical Quality	M2<1.4
Minimum line width	0.01mm
Minimum character size	0.2mm
Marking Speed	0-7000m/s
Marking Area	100x100mm
Cooling System	Built in air cool
Marking Depth	Up to 1mm
Repeat Accuracy	0.01mm
Max.power	≤500W
Input power	AC 220V+22V 50Hz/60Hz10A
Lifetime	100,000 hours (if properly Operated)
Laser Wavelength	1064nm
Diameter (LxWxH)	680x480x640
Net weight	20 - 45kg
Machine option	Manual focus, Motorized focus

LASER SOLDERING MACHINE - G6 LS200



The laser soldering machine comprises a YAG pulse laser power supply. An imported optical system, a built-in integrated water cooling machine, a CCD observation system, and other features. This table-top equipment is characterized by its compact size, lightweight design and powerful functionality.

TECHNICAL PARAMETERS

Laser Sound Nd	YAG
Wave Length	1064nm
Max Power	230W
Frequency	0.1 - 30Hz
Pulse Width	0.1 - 20ms
Beam Diameter Adjustment	0.3 - 2mm
Energy	60 - 90mj
Aiming positioning	Both support the CCD and microphone
CCD Display	A. TFT high-definition CCD and microphone B. One piece moulding aluminum alloy case C. Industrial touch screen D. Control and monitor integrated
Position Accuracy	YAG
Up and Down Travelling Route	100-150mm
Power Supply	220v/50HZ/30A
Machine Size	720*340*930mm

INDUCTION MELTING FURNACE



In our induction melting furnace there are different capacity is available from 250gm to 60kg to for your convenience of better melting. induction furnaces are very much user friendly because there is no heat feeling even the machine reaches temperature of 1200°C require minimum time to reach maximum temperature, and it provides you homogeneous mix in the metal

PRODUCT BENEFITS

- Safe & Easy Operation
- Continues Melting Of Metal with Cooling/Chilling Plant
- Convenient Layout
- Perfect Mixing Of Alloys Due To Auto Stirring Economical and Efficient In Operation
- Increased Productivity 40% Income Tax Depreciable Under Energy
- Saving category

TECHNICAL PARAMETERS

Power Supply	Single Phase/Three Phase
Voltage	230V AC
Absorbed Power	3.5KW-10KW-50KW
Capacity of Crucible	200GM-60KG
Max temp	1200°C
Melting Time	4-30 Min

INDUCTION CASTING MACHINE



SPECIFICATIONS

Power Supply	Single Phase/Three Phase
Voltage	230 v AC / 415 v AC
Absorbed Power	6 Kw to 9 Kw
Capacity of Crucible	2 Kg., 3 Kg. & 4 Kg.
Max temp	1150 degree
Casting Time	6 Min to 10 Min
Temperature Measurement	K Type
Cooling Water Temperature	20 to 35
Water Pressure	3 bar
Maximum Water Flow	3 lit per min

In our induction melting furnace there are different capacity is available from 250gm to 60kg to for your convenience of better melting. induction furnaces are very much user friendly because there is no heat feeling even the machine reaches temperature of 1200°C require minimum time to reach maximum temperature, and it provides you homogeneous mix in the metal

PRODUCT BENEFITS

- Safe & Easy Operation
- Continues Melting Of Metal with Cooling/Chilling Plant
- Convenient Layout
- Perfect Mixing Of Alloys Due To Auto Stirring Economical and Efficient In Operation
- Increased Productivity 40% Income Tax Depreciable Under Energy
- Saving category

DIAMENTION (In Cms) L X W X H

	Weight	Size
Casting Unit (Approx)	145 Kg	82 X 61 X 103
Chilling Unit (Approx)	100Kg	61 X 61 X 81
Vaccum Pump (Approx)	51 Kg	63 X 25 X 36

INDUCTION BAR CASTING MACHINE



Get ready to revolutionize your gold bar-making process with the G6 Gold Bar-Making Machine! This state-of-the-art, fully automatic casting machine can accommodate up to 4 pieces of 1KG gold or 20 pieces of 100 GRM gold at once, making it the perfect choice for large-scale production. With its advanced PLC touchscreen control, you can easily monitor and adjust the casting process to ensure consistent, high-quality results. And thanks to its vacuum operation, you can say goodbye to ripples and oxidation, preserving the purity of your precious metals. Trust us, with 24 hours of continuous operation, this gold bar-making machine is a game-changer for any serious producer. Order now and experience the future of bullion casting.

The gold bar casting machine has a standout feature that sets it apart from other machines in the market.

With its advanced technology, the machine ensures precise and accurate casting of gold bars.

The highlight feature of the machine is its ability to produce gold bars of various sizes and weights, catering to the diverse needs of customers.

The machine is equipped with a programmable control system that allows users to easily set the desired specifications for the gold bars. It also has a high melting capacity, enabling the machine to handle large quantities of gold at a time.

The casting process is efficient and time-saving, ensuring a quick turnaround for production.

The machine is designed with safety features, such as temperature monitoring and automatic shut-off, to prevent any accidents or mishaps during operation. Additionally, the machine has a user-friendly interface, making it easy for operators to navigate and control the casting process.

Overall, the gold bar casting machine's highlight feature lies in its precision, versatility, efficiency, and safety measures, making it an ideal choice for gold bar production.

SPECIFICATIONS

Power Supply	Three phase
Voltage	415 volt ac +/- 10%
Absorbed power	45 KW
Maximum Temperature	1200° C
Melting Time	15 MINS
Control system	PLC
Maximum Capacity	4 pcs of 1kg bar or 20 pcs of 100grm bar
Protective gas	Nitrogen or Argon
Operating Mode	Auto and manual mode switch
Heating Technology	Induction Heating

ELECTRONIC WEIGHING BALANCE A&D JAPAN



We deal with world class electronic weighing balances for jewellery retailers and precious semi-micro, micro balances for assay and hall marking centres.

We have value currency counters. Offer Reliability, Accuracy and speed to users. It has automatic start, stop and clear features with UV, MG, IR, 3D colour detection while counting. It automatically finds half note, chain note, double note and all type of fake note detection. We also provide currency bundle counting machine floor/table top which helps to handle the volume of money at ease.

Paper shredder having capacity to cut through pages at same time will help you to maintain the waste of paper and cd/dvds by reducing its storage volume into small pieces.



📍 Ground floor, Leshore Business Park,
Behind Railway Station Thoppinmoola,
Thrissur, India

☎ +91 9847 498 562 | +91 7306 423 872 | 9778 467 190

🌐 www.g6instruments.com

✉ gsixinstruments@gmail.com



G6 JEWELLERY INSTRUMENTS
Your Perfect jewellery partner