



HiTECH MACHINERY

INDUSTRIAL MACHINERY SUPPLIER

Complete Extrusion lines with Lab equipment's Factory for Sale

Equipment Highlights:

A) Extrusion Lines:

1. Brand: KY Chemical
2. Model: Twin-Screw Extruder (**SK32 L/D=40**)
3. Performance: **1200 RPM** with **Siemens** motors and PLCs, coupled with **Japanese** gearboxes.
4. Downstream Systems: **European configurations**.
5. (Vibrator / Spiral autoloading).



POLYMER COMPOUNDING

Tailored formulations for enhanced performance and material properties.



MASTERBATCH PRODUCTION

High-quality color and additive concentrates for various plastic applications.



SPECIALTY COMPOUNDS

Custom-engineered materials to meet specific industry needs.



SK 32 TWIN SCREW EXTRUDER WITH DOWNSTREAM



SIMENS PLC



WATER COOLING SINK



DRYER



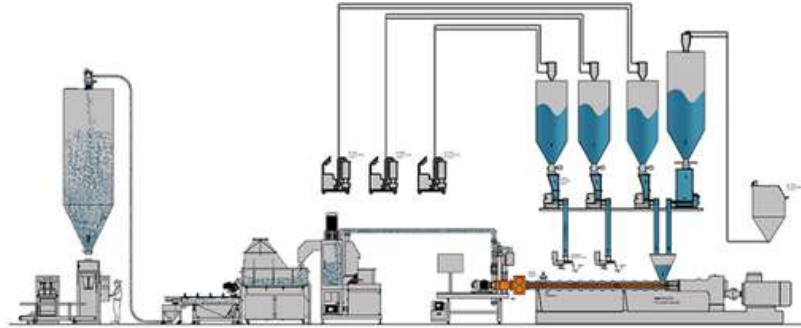
PELLETIZER





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B) Auxiliaries for Material Dosage:

Complete Central Feeding & Storage solutions (**Brabender & Shini**).

1. SHINI (**SHD-1500U**) Hopper Dryer.
2. SHINI (**SHD-3000U**) Hopper Dryer with Autoloaders & without Auto Loader (SHR-24U-S).
3. SHINI (**SHR-24U-S**) Storage Cabinet
4. SHINI (**SCSF-200F-E**) Dust Collectors.
5. SHINI (**SIEMENS**) Central Feeding Control Unit.
6. Brabender(**HTM-LW-HS45**) Loss in Weight Feeder.
7. Root blowers (**LTV-65**).





C) Laboratory Testing Equipment:

Our comprehensive lab setup ensures precision and quality for every process:

1) Performance Testing:

- Zwick Tensile Testers, Drop Testers, and Scratch Hardness Testers.

2) Environmental Simulation:

- Temperature/Humidity Chambers, Ozone Test Chambers, and Xenon Arc Chambers.

3) Material Analysis:

- Spectrometers, Rheometers (Hybrid and Rotational), Gas Chromatographs, and Thermal Analyzers (TGA & DSC).

4) Additional Systems:

- Smoke Density Chambers, Molding Test Press, Static Decay Meters, and more.





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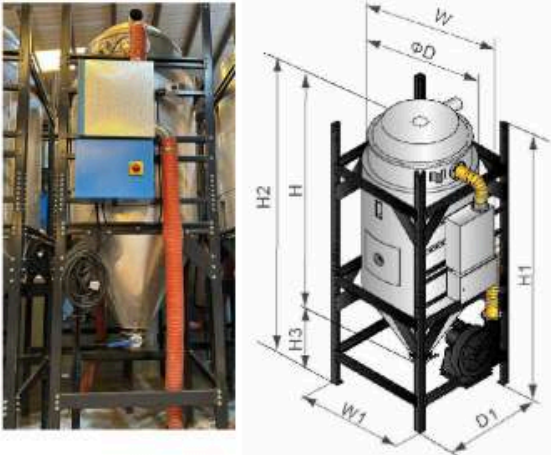
A) Extrusion Lines Specifications



Item Description
SK32 consisting of
AC SIEMENS MOTOR P= 10.5 kW for max. 1200 rpm screw speed
MECHANICAL SAFETY CLUTCH (Torque Limiter) Made in U.K., connects the motor and gearbox
REDUCTION AND DISTRIBUTION GEAR made in GERMANY
PROCESSING SECTION L/D = 40 Barrels with 2 piece bi-metallic liners (hardness max. HRC 60±2) and wear protected screw elements (hardness max. HRC 60±2)
COOLING WATER MANIFOLD for cooling barrels operated by means of demineralized water
PLC ELECTRICAL CONTROL CABINET
WATER COOLING UNIT for barrel cooling, with heat exchanger, stainless steel water tank, water pump 0.55kW
VACUUM SYSTEM for degassing of polymer melt, fresh water operated, including liquid ring vacuum pump, dirt separator, liquid tank, heat exchanger, and connection pipes
STRAND PELLETIZING SYSTEM 1) Stainless steel cooling tank, length 3m. 2) Air knife, power 1.5kW. 3) Strand pelletizer, motor power 3kW.
Spare parts and tools

B) Auxiliaries for Material Dosage Specification:

B.1) SHINI (SHD-1500U) Hopper Dryer.



SHD-U series hopper dryer adopt hot air down-blowing design and use stainless steel made material hoppers to avoid contamination. With this design, they are also ideally suitable for use with honeycomb dehumidifiers to dry engineering plastics ranging from 20 to 8,000 liters.

B.2) SHINI (SHD-3000U) Hopper Dryer with Autoloaders & without Auto Loader (SHR-24U-S).



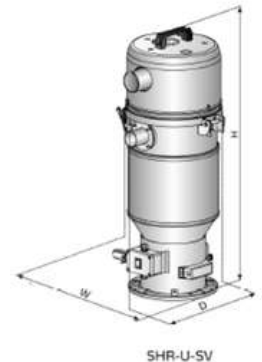
Model	Loading Capacity (L)	Heater Power (kW)	Blower (kW, 50/60 Hz)	Dimensions (mm) H×W×D	Floor Stand (mm) H1×W1×D1	Whole Height H2 (mm)	Height of Discharge Port H3 (mm)	Air Inlet Pipe Dia. (inch)	Air Outlet Pipe Dia. (inch)	Weight (kg)
SHD-1500U	1500	32	3.3	3095×1640×1250	3470×1340×1340	3470	425	5	5	685
SHD-3000U	3000	58	5.5	4135×1798×1400	4400×1482×1482	4400	295	6	6	1010

B.3) SHINI (SHR-24U-S) Storage Cabinet



SHR-U-SV

Model	Capacity (kg)	Dimension (H×W×D) (mm)	Weight (kg)	Conveying Pipe Dia. (inch)	Suction pipe dia. (inch)
SHR-12U-SV	12	692×335×353	11	1.5	2
	3.17	27.2×13.2×13.9	24.3		
SHR-24U-SV	24	832×335×353	13	2	2.5
	6.34	32.8×13.2×13.9	28.7		
SHR-36U-SV	36	1032×335×353	15	2	2.5
	9.51	40.6×13.2×13.9	33.1		

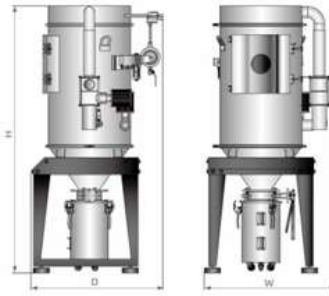




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B.4) SHINI (SCSF-200F-E) Dust Collectors.



SCSF-200F

Specifications

Model	Max. Air quantity (m ³ /min)	Inlet Dia. (Inch)	Dust Collective Bin Capacity (L)	Dimensions (mm) H x W x D	Weight (kg)
SCSF-200F	16	3	26	1900x940x940	180

Note: 1) Air supply: 4-6kgf/cm².
2) Voltage: DC 24V.

We reserve the right to change specifications without prior notice.

B.5) SHINI (SIEMENS) Central Feeding Control Unit.



“This control unit uses Siemens technology to manage material feeding for production lines. It’s easy to use, allows real-time monitoring, and helps keep material flow steady and efficient. It is ideal for factories needing reliable material handling”

B.6) Brabender(HTM-LW-HS45) Loss in Weight Feeder.



“This feeder precisely measures and controls the flow of materials by tracking weight loss. It’s easy to operate, accurate, and ideal for consistent dosing in production processes”



C) Laboratory Testing Equipment:

C.1) Malvern-RH-2200 | Made in UK



The Malvern RH-2200 (Serial No. TC 151102493) is a compact, advanced bench-top capillary rheometer ideal for research, product development, and quality control. It features a digital drive system for precise speed control, accuracy, and a wide dynamic range, and is compatible with Flowmaster™ software for enhanced experimental capabilities. Available in single or twin bore configurations, it offers many features of floor-standing models in a space-saving design.



C.2) EYELA WFO-1001SD - Made in Japan



EYELA WFO-1001SD is an aging oven used to test how materials like plastics, rubber, leather, and fabrics change over time after exposure to heat. It allows users to see effects such as color changes, cracking, shrinking, and stretching after being held at a specific temperature. This helps evaluate the durability and stability of materials under aging conditions.



C.3) INSTRON 8872 SERVOHYDRAULIC FATIGUE TESTING SYSTEM



The Instron® 8872 is a compact, tabletop testing system designed for both static and dynamic testing. With its upper actuator and lower t-slot table, it's well-suited for testing medical devices, biomaterials, advanced materials, and other components.



C.4) Molecular Conditioning machine special pure water machine



PP fiber filter element: unique outer loose and inner tight structure, can effectively remove suspended matter, sediment, and particulate impurities above 5micron or 1micron (determined according to the pore size of the PP fiber filter element) in the water source; effective activated carbon filter element: has a very strong Adsorption and filtration performance can effectively remove impurities such as color, odor and organic matter in distilled water.



C.5) Votsch Industrietechnik VTU60/90 Made in Germany Heating and drying ovens and Chamber



The Votsch Industrietechnik VTU60/90 is a high-quality heating and drying oven designed for precise temperature control and uniform heat distribution, ideal for industrial and laboratory applications. This chamber model is equipped with advanced features that ensure efficient and reliable drying processes across various materials, providing consistent results with excellent temperature stability. The unit is engineered to meet high standards for drying, heating, and conditioning of materials, accommodating a wide range of industrial needs



C.6) ESS10k (Votsch) Fast Calimatic Chamber C7-270/10ESS



Temperature and humidity test chamber is a specialized unit that simulates specific temperature and humidity conditions to test materials, products, and components. It's commonly used in industries like electronics, automotive, and pharmaceuticals to replicate real-world environments for reliable testing.





C.7) Tensile Testers Z010/ Zwick | Made in Germany



The Z010 from ZwickRoell is part of the AllroundLine family. With a force level of 10 kN, the Z010 is ideal for all universal tests in a smaller force range. The ZwickRoell Z010 (formerly Zwick Z010) is most commonly used for tensile tests, compression tests or flexure tests.

Zwick / Roell 
 August-Nagel-Str. 11, D-89079 Ulm

Type	10kN Allround table top
Serial no	DO726058 / 2016
Order no	2626983
Power	230V - 50/60Hz
	8A - 1L/PE/N
From	10kN

www.zwick.com Made in Germany

C.8) CEAST -9340 "Mechanical Testing of Plastics – Drop Tester"



CEAST 9340 is a droptower impact system used for instrumented and not instrumented test on plates, films specimens and tridimensional parts, according to the requirements prescribed in the standards: ISO 179-2, ISO 180, ISO 3127, ISO 6603-1, ISO 6603-2, ISO 7765-2, ASTM D 256, ASTM D 2444, ASTM D 3763, ASTM D 5628, ASTM D 6110, ASTM D 7136, ASTM D 7192, ASTM E 23, PR-EN 6038, AIRBUS AITM 1.0010 and other equivalent standards.

230 VOLT

INSTRON ITW Test and Measurement Italia S.p.A.
 INSTRON CEAST Division
 Via Altrauda, 12 - 10044 Panezze (TO) Italy

TYPE: 7510.000	SERIAL N.: 25782
VOLTAGE: 230 [V]	POWER: 0,5 [kW]
FREQUENCY: 50/60 Hz - Single ph	
CONSTR.: 11/02/2016	MASS: 340 [kg]

 Made in Italy

C.9) Smoke Density Chamber Fireproof SUB304 Stainless Steel



When a certain thickness of the test sample is placed in the heat source 25KW/ or 50KW/, when the box body is in the open fire, Smoke density test chamber can measure the smoke density. This instrument is suitable for EASTM 662, BS6401, ISO5659, NES 711, NEPA258 and other standards. This test is more and more used for the internal material of vehicles.

Testing of low power, non flammable cables, etc

Newport
 NEWPORT CORPORATION

Model	NBS		
Serial No		Date	2014.08
Capacity		Voltage	1 φ 220V50HZ

Address: 1793 Deere Avenue Irvine, CA 92606 United States
 Tel: (949) 863-3144
 Fax: (949) 253-1480
 www.newport.com



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C.10) New Advantech IPC-610H Industrial Computer 4U Mounted Industrial Control



The Advantech IPC-610L Industrial Computer is a robust 4U rackmount PC designed for reliable industrial control applications. It features high-performance processing with Intel Core CPUs, making it ideal for automation, machine vision, and data acquisition tasks. Built with a durable chassis, the IPC-610L provides enhanced ventilation and supports various expansion cards for customized functionality.

C.11) New Advantech IPC-610H Industrial Computer 4U Mounted Industrial Control



The Deflection Temperature Under Load (DTUL) Testing Machine is used to measure the temperature at which a plastic sample deforms under a specified load. This test is crucial for evaluating the thermal performance of plastics and polymers, providing key data for applications where materials are exposed to elevated temperatures. The machine applies a standard load to a test specimen, typically a flat bar, and records the temperature at which the sample exhibits a specified level of deflection (commonly 0.25 mm). It is essential for quality control, material research, and ensuring compliance with industry standards.



C.12) GOTECH GT 7014 H Molding Test Press Lesoshoppe



The GOTECH GT 7014 H Molding Test Press is a lab-grade hydraulic press for testing plastic and rubber materials under controlled temperature and pressure. It offers precise temperature and pressure adjustments, displayed on a digital panel, allowing for accurate simulation of molding conditions. Built for durability, it's ideal for quality assurance and material development in plastics and rubber labs.

For detailed video:

<https://www.youtube.com/watch?v=RXg1aYe97a8>





C.13) Continuous band sealer with two sets of heating blocks Model FR-13070L



The Advantech IPC-610L Industrial Computer is a robust 4U rackmount PC designed for reliable industrial control applications. It features high-performance processing with Intel Core CPUs, making it ideal for automation, machine vision, and data acquisition tasks. Built with a durable chassis, the IPC-610L provides enhanced ventilation and supports various expansion cards for customized functionality.

Product Name	Continuous Band Sealer With Two Sets Of Heating Blocks		
Model	FR-1370L/T		
Voltage	220V/50Hz	Motor Power	1.75kW
Factory Date	10. 2015	Factory Code	1161115100007

C.14) Temperature Humidity Test Chamber – Heat, Cold and Humidity-CSZ sub zero Z--plus-32-2-2-HAC



The CSZZ-Plus-32-2-2-HAC Temperature Humidity Test Chamber is designed to simulate a wide range of environmental conditions, including extreme heat, cold, and humidity. This chamber is ideal for testing product durability under varying climates and is used across multiple industries, such as electronics, automotive, and aerospace. It features a broad temperature range with the capability to reach sub-zero conditions, making it suitable for rigorous environmental testing. With precise humidity control, the CSZZ-Plus model ensures stable, repeatable test conditions to help improve product reliability and quality.

C.15) Xenon Arc Chamber | Flat Array Made in USA



	Model Number	Q-SUN XE-3-HS
	Serial Number	15-3351-64-X3HS
	400 V ~ 3-Phase, 5 Wire (3P+N+E)	Made in USA
	50/60 Hz 26 A	www.q-lab.com

The Q-SUN Xe-3 xenon arc test chamber reproduces the damage caused by full-spectrum sunlight, heat, and rain. In a few days or weeks, it can reproduce the damage that occurs over months or years outdoors.

The Q-SUN Xe-3 tester is a full-featured weathering, lightfastness, and photostability chamber. It offers standard relative humidity control and optional spray, back spray, dual spray (for acid or soap), and chiller features.

The Xe-3 tester's slide-out specimen tray is useful for exposing large, three-dimensional parts or components. The versatile Q-SUN Xe-3 tester is the simplest, most reliable, and easiest-to-use.



C.16) A 1m³ environment chamber



A 1m³ environment chamber is a controlled testing enclosure used to simulate various environmental conditions for testing and research purposes. It provides a stable, adjustable space of one cubic meter for temperature, humidity, and other factors, ideal for product durability testing, material research, and quality control in industries such as electronics, pharmaceuticals, and automotive. This compact chamber allows precise control, ensuring accurate, repeatable test conditions within a manageable footprint.

設備名稱 Device Name	1m ³ 環境箱 1m ³ Chamber		
設備型號 Equipment Type	EXC-AV1000S	電源 Power supply	380V/50Hz
工作室容積 Chamber size	1000L	裝機功率 Installed power	3KW
溫度範圍 Temperature Range	10~90℃	環境溫度 Ambient temperature	0~35℃
濕度範圍 Humidity range	30~70% RH	出廠編號 Factory number	EXC-AV01407152101
生產單位 Manufacturer	蘇州伊克賽環境設備有限公司 Suzhou Excellence Environment Equipment CO.,LTD.		
電話(Tel)	+86-0512-55112556		

C.17) Ozone test chamber




The Argentox Ozone Technology GMBH - 3MR-3RVB-140 is a high-efficiency ozone generator designed for industrial and commercial applications, providing advanced oxidation for effective disinfection and odor control. Known for its robust design, the 3MR-3RVB-140 model delivers consistent ozone output, ideal for water treatment, air purification, and sanitization processes. Its precision engineering ensures durability, low maintenance, and energy efficiency, making it a reliable choice for environments requiring stringent hygiene standards.

ARGENTOX OZONE TECHNOLOGY GMBH			
Model No.	3MR-3RVB-140		
Serial No.	2015-12005	Date	2016.03
Capacity		Voltage	380V50HZ
Humboldtstrasse 14 21509 Glinde Bei Hamburg, Germany Telephone: 040 72210 06 Telefax: 040 72254 92 E-mail: info@argentox.de			

C.18) Hydraulic Power Pack.



Through a control valve, hydraulic power packs can be used to deliver high levels of hydraulic power to whatever it is connected to. The more valves you have, the wider a variety of machines you can power using hydraulic technology.

HYDRAULIC POWER PACK			
SERIAL NO:	859452	DATE:	100614
CODE NO:	T7140603		
MAX. SAFE PRESSURE:	250	BAR	
STANDARD SETTING:	105	BAR	
	WINNER INDUSTRIAL HYDRAULICS COMPANY		



C.19) plastic Mixer at specific Temperature



A plastic mixer at a specific temperature blends plastic materials at a controlled heat to ensure even consistency. It helps maintain the right viscosity for molding or extrusion, preventing material degradation. This type of mixer is commonly used in plastic manufacturing to prepare materials for further processing.

C.20) Temperature Control Chamber |Tensile Testers Z010/ Zwick (Test Details as below)



- Auftrag 2525993
- Menge/Qty.106397
- BW91272
- Pos.22
- Empenierkammer 400x85 «840, EF
- Temperature chamber 400x85 «840, EF
- Auftrag 2525993 =a -Menge/Qty.1063974
- BW91274
- Option Kihifunktion fir Zwick
- Cooling function option for Zwick in-house produc.
- Auftrag 2525993
- Menge/Qty.1063971
- BW91272
- MAI522/16
- Silikon-Abfuhrschlauch
- Silicon exhaust hose
- Pos.23



C.21) Spectrometers XDV-SDD- Made in Germany



Powerful measuring device for universal use – from the inspection of very thin or complex layers to RoHS screening at very low detection limits.





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C.22) HR3 Rheometer with Environmental test chamber

TA Instruments
P/N 533003.901
S/N 5333-0387



The Discovery Series Hybrid Rheometer (DHR) is a cutting-edge instrument designed for precise rheological measurements. It features advanced technologies like a patented drag cup motor, magnetic bearing force rebalance transducer, and a True Position Sensor for exceptional accuracy in strain, stress, and normal force control. The DHR also includes versatile Smart Swap geometries and temperature systems, making it one of the most advanced and flexible rheometers available.

C.23) Turbo Matrix HS 16 Gas Chromatography (GC) Made in Singapore

▶ PerkinElmer

Serial Number: HS16S1601291
Date of Manufacture: 29/01/2016
Made in Singapore



The core of PerkinElmer's headspace is a pressure-balance technology that far surpasses valve and loop in performance when it comes to accuracy and repeatability. Pressure-balance provides rapid transfer of analyte to the GC without re-equilibration in a gas-sampling valve or syringe and minimizes loss of analytes. Injection amount is programmable by time or by volume without requiring any hardware change.

C.24) Spectrum Two™ - Made in UK



The Spectrum Two™ is an easy-to-use, powerful, and compact FT-IR spectrometer, perfect for both lab and remote testing. It offers reliable, trouble-free measurements with universal sampling capabilities, making it ideal for everyday IR analysis. The Spectrum Two+ model includes an industrial-grade.

L1600400 Spectrum TWO DTGS
Serial Number 104697
Made in Llantrisant, UK



C.25) HR3 Rheometer with Environmental test chamber

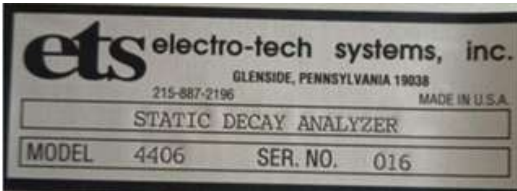


Turbomatrix100 TD is a manual pneumatic system that provides exceptional analytical performance in a single tube, model upgradeable to TurboMatrix150 ATD

C.26) Static Decay Analyzer Model 4406-D



The ETS M4406 Static Decay Meter, which replaced the previous generation Model 406, utilizes patented technology to meet the requirements for static charge dissipation and static decay rate testing as required by the Department of Defense (DOD) and various industry test standards.



C.27) Thermogravimetric Analyzer TGA Q50 with complete Accessories- Made in USA



Thermogravimetric analysis (TGA) is a technique that measures the mass change of a sample as it is heated or cooled in a controlled atmosphere. This device provides valuable information about the thermal stability, composition, and other properties of materials by analyzing how their mass changes in response to temperature changes

TA Instruments
Instrument Nbr
953501.901
Serial Number
0050 - 1903





C.28) Differential Scanning Calorimeter (DSC) with complete Accessories - Made in USA



(DSC) is a highly specialized instrument used to measure the heat flow associated with thermal transitions in materials. It is a type of calorimeter that measures the difference in heat flow between a sample and a reference as both are subjected to a controlled temperature program.

C.29) Gas Chromatograph Clarus580 GC- Made in Singapore



The Clarus® 580 GC is the platform of several turn-key solutions for the petrochemical industry (Refinery and Natural Gas analysers), alternative energies (Biodiesel), environmental and forensic applications



C.30) HPLC Clarus 580 GC Auxiliary



The Altus HPLC system is a flexible analytical tool offering various sensitive detection options, allowing for the analysis of multiple compounds. It supports both single and combined detection methods, providing more detailed information per run.



C.31) Differential Scanning Calorimeter (DSC) with complete Accessories - Made in USA



(DSC) is a highly specialized instrument used to measure the heat flow associated with thermal transitions in materials. It is a type of calorimeter that measures the difference in heat flow between a sample and a reference as both are subjected to a controlled temperature program.

C.32) Spectra Light QC



SpectraLightQC is the ideal light booth to visually assess larger samples and evaluate special effects under all relevant lighting conditions. When used to evaluate color during design, specification, pre-production, production and quality assurance, the SpectraLightQC can reduce waste due to rejects and rework, shorten time to market, and improve overall product quality.



C.33) Clarus SQ-8 Mass Spectrometer



SpectraLightQC is the ideal light booth to visually assess larger samples and evaluate special effects under all relevant lighting conditions. When used to evaluate color during design, specification, pre-production, production and quality assurance, the SpectraLightQC can reduce waste due to rejects and rework, shorten time to market, and improve overall product quality.



C.34) Altus A-10 UV Detector- Made in Singapore



(DSC) is a highly specialized instrument used to measure the heat flow associated with thermal transitions in materials. It is a type of calorimeter that measures the difference in heat flow between a sample and a reference as both are subjected to a controlled temperature program.



C.35) SCRATCH HARDNESSTESTER 430P Made in Germany



The TESTER 430 P is a versatile testing instrument designed to evaluate the scratch and cut resistance of varnished and plastic surfaces. It is capable of performing single, parallel, and cross-cuts by rotating the specimen, making it suitable for a variety of test panels with different thicknesses.

C.36) Altus HPLC A10 Solvent and Sample Module Made in Singapore



The Altus HPLC system is designed for high-performance liquid chromatography (HPLC). It includes a modular unit that handles key functions like delivering solvents, and injecting samples, and may also include additional features such as solvent degassing and sample pre-treatment for enhanced

C.37) Hardness Tester H17D/1 Made in UK



The H170 D/1 is a fully automated laboratory instrument used to measure the hardness of various materials, including metals, alloys, and plastics. It works by applying a precise load to the material and measuring the resulting indentation or deformation.





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C.38) Digital Microscope



A digital microscope helps in masterbatch lab testing by inspecting pigment dispersion, analyzing particle size, and detecting contaminants. It provides detailed surface images to ensure quality and consistency. High-resolution imaging aids in accurate documentation.

C.39) Hydrogen Generator-GH-300



The Hydrogen Generator-GH-300 produces high-purity hydrogen for industrial processes like hydrogenation and metal treatment. It is used in laboratories for gas chromatography and research. Additionally, it powers fuel cells and supports renewable energy storage.

C.40) Tablet PressYP-2



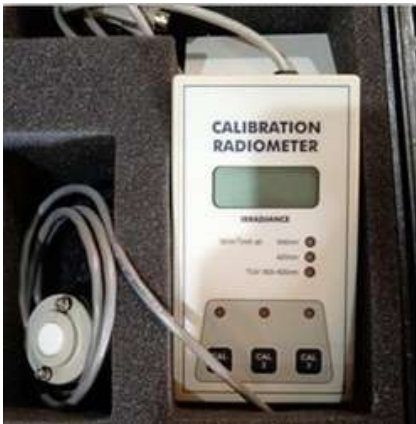
Any filling that is done in excess is removed from the top by the upper punch when it comes in contact with the powder. The high compression rolls come into the play which helps in fusing the granulated material to form a hard tablet. The lower punch then ejects the tablet by raising it again.

C.41) Calibration Thermometer-CT202/IBP



The Calibration Thermometer CT202/IBP is used for precise temperature measurement and calibration in small lines. It ensures accuracy in temperature-sensitive equipment, like sensors or controllers. Common uses include industrial processes, quality control, and laboratory settings.

C.42) Calibration Radiometer



A Calibration Radiometer is used to measure and calibrate radiation levels, ensuring the accuracy of radiation detection equipment. It is commonly used in industries like healthcare, nuclear, and environmental monitoring. The device helps ensure precise measurements for safety and compliance.

C.43) Ohmmeter



An Ohmmeter is used to measure electrical resistance in a circuit or component. It helps in diagnosing faults, testing continuity, and ensuring the proper functioning of resistive components. Common applications include checking cables, sensors, and electrical connections.