

About us



New Venus Industries, Manufacturer of Scientific Laboratory equipments and customized research equipments was founded in the year 1977. New Venus Industries has become one of the leading scientific apparatus manufacturers. For more than three decades we are manufacturers of routinely used laboratory glassware apparatus, instruments and equipments. We are pioneers in manufacturing of glass components, industrial glass units and systems of customer's specific design.

We are catering to the needs of R&D units of Parma Industry, Petrochemical industries and Chemical Engineers who want to design pilot plants and research oriented organizations. Almost all leading Research and QC laboratories, Institutions, Industrial and Healthcare laboratories are using New Venus products.

New Venus Industries is located in Chennai with the strength of highly experienced professionals, who has a very good knowledge in manufacturing Scientific Laboratory Equipments and hence the brand New Venus itself indicates that equipment is manufactured with high precision and perfectly crafted in the field of Scientific Instrumentation.



Our aim is to achieve, sustain and enhance customer satisfaction by continually improving the effectiveness of quality management system through team work and involvement of all members of our organization.

We have a fully integrated approach to developing solutions by drawing on the expertise of Quality Engineer's various technologists, researchers, technicians and scientists.



ON TIME DELIVERY

We give our clients the earliest delivery consistent with quality - whatever the inconvenience to us.



CUSTOMER SATISFACETION

: We believe in putting our clients need prior to ours. Thus, we are known in the market as the client oriented firm. In order to provide optimum satisfaction to our clients we interact and communicate with our customers on regular basis.



HEAT TRANSFER

HT-101	HEAT TRANSFER THROUGH LAGGED PIPE
HT-102	HEAT TRANSFER THROUGH COMPOSITE WALL
LIT 400	LIEAT DIDE DELACATOR

HT-103 HEAT PIPE DEMONSTRATOR

HT-104 HEAT TRANSFER IN AGITATED VESSEL
HT-105 HEAT TRANSFER FROM A PIN-FIN
HT-106 UNSTEADY STATE HEAT TRANSFER UNIT

FLUIDIZED BED HEAT TRANSFER UNIT

HT-108 POOL BOILING APPARATUS

HT-109 TWO PHASE HEAT TRANSFER UNIT

CONDUCTION

HT-107

HT-115 THERMAL CONDUCTIVITY OF INSULATING POWDER
HT-116 THERMAL CONDUCTIVITY OF INSULATING SLAB
HT-117 THERMAL CONDUCTIVITY OF LIQUIDS

HT-118 THERMAL CONDUCTIVITY OF METAL ROD

CONVECTION

HT-125 HEAT TRANSFER IN FORCED CONVECTION
HT-126 HEAT TRANSFER IN NATURAL CONVECTION

RADIATION

HT-131 EMISSIVITY MEASUREMENT APPARATUS
HT-132 STEFAN BOLTZMANN'S APPARATUS

HEAT EXCHANGER

HT-138 PARALLEL FLOW/COUNTER FLOW HEAT EXCHANGER HT-139 SHELL & TUBE HEAT EXCHANGER HT-140 FINNED TUBE HEAT EXCHANGER HT-141 PLATE TYPE HEAT EXCHANGER HT-142 CROSS FLOW HEAT EXCHANGER HT-143 HELICAL COIL HEAT EXCHANGER HEAT EXCHANGER TEACHING SET-UP HT-144 HT-145 ACCESSORIES FOR HEAT EXCHANGER TEACHING SET-UP TUBULAR HEAT EXCHANGER HT-146

HT-146 TUBULAR HEAT EXCHANGER

HT-147 PLATE TYPE HEAT EXCHANGER

HT-148 SHELL & TUBE HEAT EXCHANGER

HT-149 JACKETED VESSEL WITH COIL & STIRRER

CONDENSATION

HT-155 DROPWISE & FILMWISE CONDENSATION APPARATUS
HT-156 VERTICAL & HORIZONTAL CONDENSER

HT-157 HORIZONTAL CONDENSER HT-158 VERTICAL CONDENSER

CONDENSATION

HT-171 OPEN PAN EVAPORATOR
HT-172 SINGLE EFFECT EVAPORATOR
HT-173 DOUBLE EFFECT EVAPORATOR
HT-174 CALANDRIA EVAPORATOR

HT- 175 FALLING FILM EVAPORATOR

ALSO AVAILABLE WITH DATA LOGGING FACILITY/COMPUTER CONTROLLED SYSTEM ALL TYPES OF CUT SECTION MODEL IS ALSO AVAILABLE WITH US



HT-108



HT-109



HT-132



HT-131



HT-139



HT-156



HT-171



HT-173



CLOSED CIRCUIT SYSTEM

FM-101	BERNOULLI'S THEOREM APPARATUS
FM-102	FLOW THROUGH ORIFICE & MOUTHPIECE
FM-103	DISCHARGE OVER NOTCHES
FM-104	IMPACT OF JET ON VANES
FM-105	LOSSES DUE TO FRICTION IN PIPE LINES
FM-106	LOSSES DUE TO PIPE FITTINGS, SUDDEN
	ENLARGEMENT & CONTRACTION
FM-107	DISCHARGE THROUGH ORIFICEMETER
FM-108	DISCHARGE THROUGH ROTAMETER
FM-109	DISCHARGE THROUGH VENTURIMETER
FM-110	DISCHARGE THROUGH VENTURIMETER &
	ORIFICEMETER
FM-111	DISCHARGE THROUGH VENTURIMETER,
	ORIFICEMETER & ROTAMETER
FM-112	NOZZLE METER TEST RIG
FM-113	REYNOLD'S APPARATUS
FM-114	PITOT TUBE SETUP
FM-115	CAVITATION APPARATUS
FM-116	LAMINAR FLOW TABLE
FM-117	METACENTRIC HEIGHT APPARATUS
FM-118	CENTER OF PRESSURE APPARATUS
FM-119	ELECTRICAL ANALOGY APPARATUS
FM-120	FORCED VORTEX APPARATUS
FM-121	FREE VORTEX APPARATUS
FM-122	FREE & FORCED VORTEX APPARATUS
FM-123	DARCY'S LAW APPARATUS
FM-124	STUDY OF PRESSURE MEASUREMENT
FM-125	BEND METER TEST RIG
FM-126	FLUID PROPERTIES & HYDROSTATIC BENCH
FM-127	PIPE SURGE & WATER HAMMER APPARATUS
FM-128	FLUID FRICTION APPARATUS

HYDRAULIC BENCH & ACCESSORIES

III DIDIOLIO DE	Mon a modeocome
FM-131	HYDRAULIC BENCH
FM-132	ACCESSORIES FOR HYDRAULIC BENCH
FM-133A	BERNOULLI'S THEOREM APPARATUS
FM-133B	FLOW THROUGH ORIFICE & MOUTH PIECE
FM-133C	FLOW OVER NOTCHES
FM-133D	IMPACT OF JET ON VANES
FM-133E	LOSSES DUE TO FRICTION IN PIPE LINES
FM-133F	LOSSES IN PIPE FITTINGS, SUDDEN
	ENLARGEMENT & CONTRACTION
FM-133G	VENTURIMETER & ORIFICEMETER
FM-133H	REYNOLD'S APPARATUS
FM-133I	METACENTRIC HEIGHT APPARATUS
FM-133J	PITOT TUBE SET-UP
FM-133K	STUDY OF PRESSURE MEASUREMENT
FM-133L	PELTON WHEEL TURBINE DEMONSTRATION
FM-133M	FRANCIS TURBINE DEMONSTRATION
FM-133N	CENTRIFUGAL PUMP DEMONSTRATION
FM-1330	SERIES & PARALLEL SYSTEM CENTRIFUGAL
	PUMP DEMONSTRATION
FM-133P	ORIFICE DISCHARGE
FM-133R	FLOW METER DEMONSTRATION
FM-133S	FLOW CHANNEL
FM-133T	FLOW VISUALIZATION (Heleshaw)
=1.4	APPARATUS
FM-133U	FLUID FRICTION APPARATUS
FM-133V	ORIFICE & JET VELOCITY APPARATUS
FM-133W	FREE & FORCED VORTEX APPARATUS
FM-133X	CAVITATION APPARATUS
FM-123W	HYDRAULIC RAM DEMONSTRATION







QEFM-110



FM-118



FM-120



FM-123



FM-127



FM-131



FM-133V



FM-133J



PUMPS & TURBINES

FM-211	CENTRIFUGAL PUMP TEST RIG
FM-212	MULTI STAGE, VARIABLE SPEED SERIES & PARALLEL CENTRIFUGAL PUMP TEST RIG
FM-213	RECIPROCATING PUMP TEST RIG
FM-214	GEAR PUMP TEST RIG
FM-215	SUBMERSIBLE PUMP TEST RIG
FM-216	JET PUMP TEST RIG
FM-217	PELTON WHEEL TURBINE TEST RIG
FM-218	FRANCIS TURBINE TEST RIG
FM-219	KAPLAN TURBINE TEST RIG
FM-220	HYDRAULIC RAM TEST RIG

ALSO AVAILABLE WITH DATA LOGGING FACILITY/COMPUTER CONTROLLED SYSTEM ALL TYPES OF CUT SECTION MODEL IS ALSO AVAILABLE WITH US

AIR FLOW STUDIES

FM-231	CENTRIFUGAL BLOWER TEST RIG
FM-232	AXIAL FAN TEST RIG
FM-233	WIND TUNNEL TEST RIG
FM-234	SINGLE STAGE AIR COMPRESSOR TEST RIG
FM-235	DOUBLE STAGE AIR COMPRESSOR TEST RIG
FM-236	BOUNDARY LAYER APPARATUS

ALSO AVAILABLE WITH DATA LOGGING FACILITY/COMPUTER CONTROLLED SYSTEM

HYDROLOGY & FLOW CHANNEL LAB

IIIDIIOLOGI	& I LOW CHANNEL LAD
FM-251	BASIC HYDROLOGY SYSTEM
FM-252	TILTING BED FLOW CHANNEL
	(Length: 2.5m / 5.0m/ 7.5m / 10m)
FM-253	ACCESSORIES FOR FLOW CHANNEL
FM-253A	V-NOTCH WEIR
FM-253B	RECTANGULAR NOTCH WEIR
FM-253C	RECTANGULAR OVERSHOT WEIR / BROAD CRESTED WEIR
FM-253D	RECTANGULAR SHARP CORNERED
FM-253E	RECTANGULAR STREAMLINED WEIR
FM-253F	VENTURIFLUME
FM-253G	STANDING WAVE FLUME
FM-253H	HUMP
FM-253I	SPILLWAY
FM-253J	SLUICE GATE
FM-253K	CRUMP WEIR
FM-253L	SYPHON SPILLWAY
FM-253M	ARTIFICIAL ROUGHENED BED
FM-253N	PITOT TUBE & MANOMETER BOARD
FM-2530	PARSHALL FLUME
FM-253P	CURRENT METER







FM-218

FM-220











DIESEL ENGINES

TD-26	1 SINGLE CLYINDER FOUR STROKE AIR COOLED DIESEL ENGINE TEST RIG
TD-26	2 SINGLE CYLINDER FOUR STROKE WATER COOLED DIESEL ENGINE TEST RIG
TD-26	TWIN CYLINDER FOUR STROKE WATER COOLED DIESEL ENGINE TEST RIG
TD-26	4 FOUR CYLINDER FOUR STROKE DIESEL ENGINE TEST RIG
TD-26	FOUR CYLINDER FOUR STROKE DIESEL ENGINE TEST RIG WITH Electronic control Unit (Open ECU)
TD-27	1 VARIABLE COMPRESSION RATIO SINGLE CYLINDER FOUR STROKE WATER COOLED DIESEL ENGINE TEST RIG

PETROL ENGINES

TD-281	SINGLE CYLINDER FOUR STROKE PETROL ENGINE TEST RIG
TD-282	SINGLE CYLINDER FOUR STROKE PETROL ENGINE TEST RIG with Electronic Control Unit (Open ECU)
TD-285	FOUR CYLINDER FOUR STROKE PETROL ENGINE TEST RIG
TD-286	FOUR CYLINDER FOUR STROKE PETROL ENGINE TEST RIG with Electronic Control Unit (Open ECU)
TD-287	VARIABLE COMPRESSION RATIO SINGLE CYLINDER FOUR STROKE PETROL ENGINE TEST RIG

DUAL FUEL ENGINES

TD-291	VARIABLE COMPRESSION RATIO SINGLE CYLINDER FOUR STROKE DUAL FUEL ENGINE TEST RIG	
TD-292	SINGLE CYLINDER FOUR STROKE DUAL FUEL ENGINE TEST RIG	

MISCELLANEOUS

TD-295	SEPARATING & THROTTLING CALORIMETER
TD-296	SEPARATING CALORIMETER
TD-297	THROTTLING CALORIMETER

CUT SECTION MODELS

TD-301	CUT SECTION MODEL OF ACTUAL SINGLE CYLINDER TWO STROKE PETROL ENGINE
TD-302	CUT SECTION MODEL OF ACTUAL SINGLE CYLINDER FOUR STROKE PETROL ENGINE
TD-303	CUT SECTION MODEL OF ACTUAL MULTI CYLINDER FOUR STROKE PETROL ENGINE
TD-304	CUT SECTION MODEL OF ACTUAL SINGLE CYLINDER FOUR STROKE DIESEL ENGINE
TD-305	CUT SECTION MODEL OF ACTUAL MULTI CYLINDER FOUR STROKE DIESEL ENGINE

ALSO AVAILABLE WITH DATA LOGGING FACILITY/COMPUTER CONTROLLED SYSTEM ALL TYPES OF CUT SECTION MODEL IS ALSO AVAILABLE WITH US

















TOM-101	UNIVERSAL VIBRATION APPARATUS	TOM-108	CORIOLLI'S COMPONENT OF ACCELERATION APPARATUS
TOM-102 TOM-103	CAM ANALYSIS APPARATUS WHIRLING OF SHAFT DEMONSTRATOR	TOM-109	MICHELL TILTING PAD BEARING APPARATUS
TOM-104	STATIC & DYNAMIC BALANCING	TOM-110	SLIP & CREEP MEASUREMENT APPARATUS
	DEMONSTRATOR	TOM-111	EPICYCLIC GEAR TRAIN APPARATUS
TOM-105	MOTORIZED GYROSCOPE	TOM-112	PIN ON DISC WEAR APPARATUS
TOM-106	JOURNAL BEARING APPARATUS	TOM-113	TRI-FILAR SUSPENSION SYSTEM
TOM-107	UNIVERSAL GOVERNOR APPARATUS		

ALSO AVAILABLE WITH DATA LOGGING FACILITY/COMPUTER CONTROLLED SYSTEM ALL TYPES OF CUT SECTION MODEL IS ALSO AVAILABLE WITH US









REFRIGERATION & AIR-CONDITIONING LAB.

RAC-201	REFRIGERATION TEST RIG/ VAPOUR COMPRESSION CYCLE TRAINER /WATER COOLER TEST RIG
RAC-202	AIR CONDITIONER TEST RIG
RAC-203	SPLIT AIR CONDITIONING TEST RIG
RAC-204	WINDOW AIR CONDITIONING TEST RIG
RAC-205	AIR WASHER TEST RIG
RAC-206	AIR COOLER TEST RIG
RAC-207	ICE PLANT TRAINER
RAC-208	WATER TO WATER HEAT PUMP
RAC-209	AIR TO WATER HEAT PUMP
RAC-210	WATER TO AIR HEAT PUMP
RAC-211	AIR TO AIR HEAT PUMP
RAC-212	ELECTROLUX REFRIGERATOR TEST RIG/ VAPOUR ABSORPTION CYCLE TRAINER
RAC-213	ACTUAL CUT SECTION MODEL OF RECIPROCATING REFRIGERANT COMPRESSOR
RAC-214	ACTUAL CUT SECTION MODEL OF ROTARY REFRIGERANT COMPRESSOR



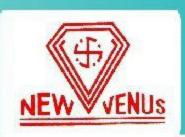






ALSO AVAILABLE WITH DATA LOGGING FACILITY/COMPUTER CONTROLLED SYSTEM ALL TYPES OF CUT SECTION MODEL IS ALSO AVAILABLE WITH US

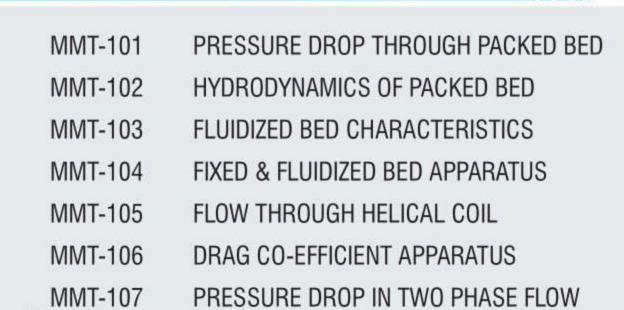




CRE-101	CONTINUOUS STIRRED TANK REACTOR (C.S.T.R.)
CRE-102	ISOTHERMAL CONTINUOUS STIRRED TANK REACTOR (ISOTHERMAL C.S.T.R.)
CRE-103	CASCADE CONTINUOUS STIRRED TANK REACTOR (Cascade C.S.T.R)
CRE-104	R.T.D. STUDIES IN CONTINUOUS STIRRED TANK REACTOR
CRE-105	PLUG FLOW TUBULAR REACTOR (Straight Tube Type)
CRE-106	PLUG FLOW TUBULAR REACTOR (Coiled Tube Type)
CRE-107	ISOTHERMAL PLUG FLOW TUBULAR REACOTR (Coiled Tube Type)
CRE-108	R.T.D. STUDIES IN PLUG FLOW TUBLAR REACTOR (Coiled Tube Type)
CRE-108A	R.T.D. STUDIES IN PLUG FLOW TUBLAR REACTOR (Straight Tube Type)
CRE-109	COMBINED FLOW REACTOR
CRE-110	ISOTHERMAL BATCH REACTOR
CRE-111	ISOTHERMAL SEMI BATCH REACTOR
CRE-113	PACKED BED REACTOR
CRE-114	R.T.D. STUDIES IN PACKED BED REACTOR
CRE-115	CHEMICAL REACTOR SERVICE UNIT
CRE-116	ACCESSORIES FOR CHEMICAL REACTOR SERVICE UNIT:-
CRE-116A	CONTINUOUS STIRRED TANK REACTOR (C.S.T.R.)
CRE-116B	PLUG FLOW TUBULAR REACTOR (Coiled Tube Type)
CRE-116C	BATCH REACTOR
CRE-117	ADIABATIC BATCH REACTOR
CRE-118	LIQUID PHASE CHEMICAL REACTOR
CRE-119	KINETICS OF DISSOLUTION OF BENZOIC ACID
CRE-120	HYDRODYNAMICS OF TRICKLE BED REACTOR
CRE-121	UV-PHOTO REACTOR
CRE-122	RECYCLE BED REACTOR
CRE-123	SPINNING BASKET REACTOR
CRE-124	EMULSION POLYMERISATION SET-UP
CRE-125	CONDENSATION POLYMERISATION SET-UP

ALSO AVAILABLE WITH DATA LOGGING FACILITY/COMPUTER CONTROLLED SYSTEM

MOMENTUM TRANSFER LAB.



ALSO AVAILABLE WITH DATA LOGGING FACILITY/COMPUTER CONTROLLED SYSTEM

























SIZE REDUCTION

MO-301	JAW CRUSHER
MO-302	ROLL CRUSHER
MO-303	BALL MILL
MO-304	ROD MILL
MO-305	HAMMER MILL





SCREENING	
MO-311	VIBRATING SCREEN
MO-312	TROMMEL
MO-313	ROTAP SIEVE-SHAKER
MO-314	GYRATORY SIEVE SHAKER
MO-315	TEST SIEVES (Accessory for QEMO 313 & 314



MO-323 ELUTRIATOR MO-324 MAGNETIC SEPARATOR MO-325 FROTH FLOATATION CE MO-326 CONE CLASSIFIER
MO-324 MAGNETIC SEPARATOR MO-325 FROTH FLOATATION CEL MO-326 CONE CLASSIFIER
MO-325 FROTH FLOATATION CELI MO-326 CONE CLASSIFIER
MO-326 CONE CLASSIFIER
MO-327 THICKNER
MO-328 WILFLEY TABLE
MO-329 MINERAL JIG





FILTERATION

MO-331	PLATE & FRAME FILTER PRESS
MO-332	ROTARY VACUUM FILTER
MO-333	LEAF FILTER





CONVEYORS

MO-341	BUCKET CONVEYOR
MO-342	BELT CONVEYOR
MO-343	SCREW CONVEYOR







EXTRACTION	
MT-101	LIQUID-LIQUID EXTRACTION IN A PACKED TOWER
MT-102	YORK SCHEIBEL'S EXTRACTION UNIT
MT-103	SPRAY TOWER
MT-104	SOLID-LIQUID EXTRACTION

DISTILATION	
MT-111	BUBBLE CAP DISTILLATION COLUM
MT-112	SIEVE PLATE DISTILLATION COLUM
MT-113	PACKED BED DISTILLATION COLUM
MT-114	STEAM DISTILLATION SET-UP
MT-115	SIMPLE BATCH DISTILLATION SETU

ABSORPTION	
MT-121	ABSORPTION IN SIEVE PLATE COLUMN
MT-122	ABSORPTION IN PACKED BED
MT-123	ABSORPTION IN WETTED WALL COLUMN

DIFFUSION	
MT-131	VAPOUR IN AIR DIFFUSION APPARATUS
MT-132	SOLID IN AIR DIFFUSION APPARATUS
DRYING	

DRYING		
MT-141	NATURAL DRAFT TRAY DRYER	
MT-142	FORCED DRAFT TRAY DRYER	
MT-143	ROTARY DRYER	
MT-144	FLUIDIZED BED DRYER	
MT-145	VACUUM TRAY DRYER	

CRYSTALLIZA	IZATION	
MT-148	BATCH CRYSTALLIZER	
MT-149	SWENSON WALKER CRYSTALLIZER	

MISCELLANE	OUS
MT-151	WETTED WALL COLUMN
MT-152	VAPOUR-LIQUID EQUILIBRIUM SET-UP
MT-153	MASS TRANSFER WITH & WITHOUT CHEMICAL REACTION (Solid-Liquid)
MT-154	EXPERIMENTAL WATER COOLING TOWER
MT-155	ADSORPTION IN PACKED BED
MT-156	ION EXCHANGE
MT-157	HUMIDIFICATION & DEHUMIDIFICATION





















PROCESS CONTROL & INSTRUMENTATION LAB.

PC-101	CONTROL VALVE CHARACTERISTICS
PC-102	STUDY OF P-I & I-P CONVERTOR
PC-103	CHARACTERISTICS OF P.I.D. CONTROLLER
PC-104	MEASUREMENT OF LEVEL BY AIR PURGE METHOD
PC-105	MEASUREMENT OF LEVEL BY CAPACITANCE METHOD
PC-106	FORCE MEASUREMENT APPARATUS
PC-107	CALIBRATION OF THERMOCOUPLE
PC-108	DEAD WEIGHT PRESSURE GAUGE TESTER
PC-109	PRESSURE CONTROL TRAINER
	(Computer Controlled System)
PC-110	LEVEL CONTROL TRAINER
	(Computer Controlled System)
PC-111	TEMPERATURE CONTROL TRAINER
	(Computer Controlled System)
PC-112	FLOW CONTROL TRAINER
	(Computer Controlled System)
PC-113	TIME CONSTANT OF MANOMETER
PC-114	TIME CONSTANT OF THERMOCOUPLE & THERMOMETER
PC-115	SINGLE TANK SYSTEM
PC-116	TWO TANK INTERACTING SYSTEM
PC-117	TWO TANK NON-INTERACTING SYSTEM
PC-118	INTERACTING & NON INTERACTING SYSTEM

ALSO AVAILABLE WITH DATA LOGGING FACILITY
AND COMPUTER CONTROLLED SYSTEM









ENVIRONMENTAL & BIO-ENGINEERING LAB

BE-101	AERATION UNIT
BE-102	AEROBIC DIGESTER
BE-103	ANAEROBIC DIGESTER
BE-104	DEEP BED FILTER COLUMN
BE-105	FLOCCULATION TEST UNIT
BE-106	SEDIMENTATION STUDIES APPARATUS
BE-107	DRAINAGE & SEEPAGE TANK
BE-108	MODEL SEDIMENTATION TANK
BE-109	BATCH ENZYME REACTOR

ALSO AVAILABLE WITH DATA LOGGING FACILITY AND COMPUTER CONTROLLED SYSTEM















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