

**SIX DECADES
OF SERVICE TO
THE PHILIPPINE
METALWORKING
INDUSTRY**



MESCO

Since 1956

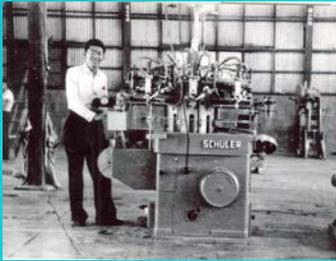
**60th Anniversary
In-house Show
Invitation**

MESCO Building
Reliance cor. Brixton Sts., Kapitolyo, Pasig
Oct 19 - 22, 2016 (Wed to Sat)
10AM - 5PM

HISTORY OF MESCO



Office by day, Home by night



PL and a Schuler Press



MESCO Showroom at Bldg. 1



Mockup of the MESCO Admin Bldg.



PL knew how to operate every machine factory on the floor



MESCO service training

Manufacturers' Equipment & Supply Co.

On September 1, 1956, Peter Lee, fondly referred to as PL, had a vision of an industrialized nation. Together with his wife, Mercy, they founded the Manufacturers' Equipment & Supply Co. out of a small apartment in Manila. By day, it had offices and machine displays. At night, it was Peter and Mercy's home.

Six months after they started, PL traveled to Germany to learn about manufacturing technology. It was his goal to discover applicable technology abroad and bring them back to the Philippines. PL visited machine shows and impressed the European suppliers he met there. He came home as the exclusive distributor of Schuler Presses in the Philippines.

By the 1960s, MESCO was leading the way by introducing several significant new technologies into the Philippines. This impressive list includes the first automatic screw machine, the first coordinate measuring machine (CMM), and the first electric discharge machine (EDM).

The staff increased in size and the company moved offices as business grew more successful. In 1965, the company began construction on its new home in Pasig City, Metro Manila. The facility now houses offices, a display center, a manufacturing shop, training spaces, and service warehouses.

Only at MESCO did the president of the company know how to operate every machine on the floor. Unlike other companies whose owners were not involved in the business, MESCO was run by a man who was passionate about the products.

But his true passion was Teaching. MESCO's employees today are familiar with his saying, "Learning is continuous. The day you stop learning is the day you die." PL loved to train his staff, often staying after-hours to show them techniques he himself learned.



MESCO
Since 1956



60 YEARS OF SERVICE
TO THE PHILIPPINE
METALWORKING INDUSTRY

The service team also practiced on the machines to develop expertise in the technology in order to pass on the know-how to their customers. Soon, MESCO began regularly sending its technical and sales people abroad for training.

This was indeed the driving spirit behind MESCO's approach. In the 1970's, the company launched a massive information campaign on machine tool technology. Its motto: "The machines you cannot afford to have today, you cannot afford not to have tomorrow."

In the following years, MESCO successfully brought in more important firsts in the Philippines: the first CNC vertical machining center, CNC lathe, among many others. The very same QuickTurn 10 CNC lathe that Peter Lee brought in 1984 is now on display in the lobby of the MESCO building as a testament to his visionary force.

In 1989, MESCO's Manufacturing Department (MF), started doing export work for Yamazaki Mazak with the Levelling Block project. From producing 100 sets of these levelling blocks, MF would eventually grow to become an integral part of MESCO, both as a profit center and as the living showroom for the company, producing over 1,000 different parts per month.

It is part of MESCO's mission to continuously invest in resources to promote their suppliers' products. In October 2006, MESCO completed its renovation of its new Technology Center. This exhibition and training space covers over 1000 square meters and accommodates more than 30 machine tools and equipment. This is used to showcase suppliers' products and demonstrate the latest technologies.

2016 marks the year MESCO celebrates its diamond anniversary – six decades of excellence, mutual respect, and outstanding service to the Philippine metalworking industry. To all our partners: our suppliers, our customers and our employees, thank you for making MESCO the leading provider of metal manufacturing technology in the Philippines.



1979 Contract Signing for the IBM S34



Mazak QT10: First Mazak CNC in the Philippines



Mazak Levelling Block: MF's first export



MESCO's 50th Anniversary Show



PL in 1956



PRODUCTS ON DISPLAY



Mazak
Variaxis J-500/5X
5-Axis Multitasking CNC Machining Center



Mazak
Integrex J-200
5-Axis Multitasking CNC Mill Turn



Mazak
HCN5000-II
CNC Horizontal Machining Center



Mazak
VCS430A
CNC Vertical Machining Center



Mazak
QSM200M, QSM300M, QSM350M
CNC Lathes with Milling Function



Mazak
QTP100S, QSM100, QSM150
CNC Lathe



AMADA
HDS8025
Servo Driven Press Brake



AMADA
AE2510NT
Turret Punch



Yawei
PBB 110 x 3100
Press Brake



Yawei
LGSK 6 x 3050
Guillotine Shear

MESCO
60TH



AMADA
Togu III
Automatic Tool Grinder



SEYI
PRESSING AHEAD
SN1-110
Power Press



旭東
SHUZ TUNG
SINCE 1978
CNC38B2
CNC Pipe Bender

PRODUCTS ON DISPLAY



 **PRECISION TSUGAMI**
B0326-II
CNC Swiss Lathe



 **PALMARY**[®]
GU32x60S
Grinder



 **PRECISION TSUGAMI**
B0205-II
CNC Swiss Lathe with Barfeeder



CHEVALIER
QP1620-L
CNC Vertical Machining Center



 **PRECISION TSUGAMI**
VA3
CNC Vertical Machining Center



 **MITSUBISHI ELECTRIC**
Changes for the Better
MV1200S
Wirecut EDM



S430S
Semi CNC EDM



SD350
EDM Drill



PROTH
PSGS-1545
Surface Grinder



MASCUT
MA-1840
Conventional Lathe



CHEVALIER
FM2S and FM4VKH
Conventional Milling Machine



EVERISING
BS250
Bandsaw Machine



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60TH

PRODUCTS ON DISPLAY



Mitutoyo

Crysta Apex S574 and Crysta S 7106
Contact CNC Coordinate Measuring Machine



Mitutoyo

PJ-A2010
Profile Projector



Mitutoyo

CV3200
Contracer



Mitutoyo

RA2100
Roundness Tester



Mitutoyo

QI B4020
Non-Contact 2D Quick Image



Mitutoyo

SJ401 and SJ210
Roughness Tester



FARO

EDGE
Measuring Arm with Laser Scanner



IMADA

ZT Series Force Gage
Gauging System



RENISHAW

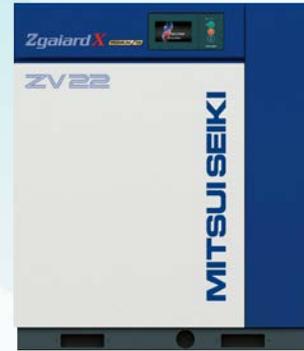
apply innovation™

Equator
Gauging System



MITSUI SEIKI

i-14037A3-R
Oil Free Air Compressor



MITSUI SEIKI

ZgaiardX ZV22
Oil Lubricated Air Compressor



MOOG

Components

Servo Valves, Radial Piston Pumps, and Actuators



VICKERS

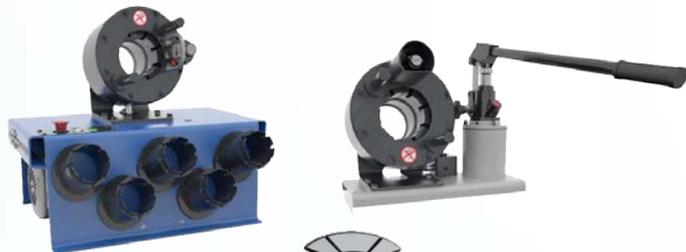
Components

Hydraulic Pumps, Motors, and Valves



DEN-SIN

C2500/25D
Ultra High Pressure Water Blaster



TECHMAFLEX

S Crimp 137 and H Crimp 137
Crimping Machines



MESCO
60TH

PRODUCTS ON DISPLAY



Tool Management System



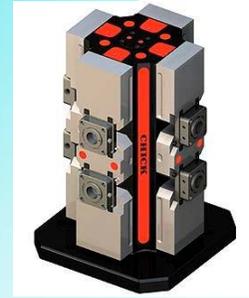
Tools Sharpener



Qualität gewinnt.
Shrinkfit System



Tool Presetter



system 3R



Henri Azaria
Air Chucks



Yushiro
Coolants and Cutting Fluids



AMADA
Bandsaw Blades



SUNNEN
ABOVE AND BEYOND HONING
Honing Tools



LKM
Customizable Mold Bases



FILTERMIST
Mist Collectors



MESCO
60TH

AVAILABLE SEMINARS

1



HAIMER NEW TOOL HOLDING INNOVATIONS

Wiphat Buranapakorn, Haimer, General Manager for Thailand and Philippines

Haimer is the leader in Shrinkfit technology in the field of arbor products for CNC machining centers. Haimer invested heavily in the Southeast Asian region for manpower to support their products. Please join this seminar to learn and understand Shrinkfit technology and how it can improve productivity in your shop floor.

OCT 20 (TH) 13:00 -14:00 OCT 21 (F) 13:00 -14:00 OCT 22 (S) 13:00 -14:00

2



SCHUNK WORKHOLDING FOR THE 21st CENTURY

Alex Tijoe, Schunk Intec Pte. Ltd., President

Schunk is a German company that specializes in manufacturing of quick change hydraulic chucks and grippers for robotics and automation. They also specialize in workholding devices. Schunk has invested in a technology center in Jakarta Indonesia to support the Southeast Asian region. In this seminar, Schunk will present their various workholding products and tailor-made solutions for your requirements.

OCT 20 (TH) 14:30 -15:30 OCT 21 (F) 14:30 -15:30 OCT 22 (S) 14:30 -15:30

3



BENEFITS OF USING FILTERMIST

Desmond Teo, Filtermist Asia PTE. Ltd., Business Development Manager

This seminar aims to introduce Filtermist and their product line. Filtermist is one of the leaders in oil mist collectors in the world. Everyone will learn the productivity and safety benefits of Filtermist while maintaining a clean factory environment.

OCT 19 (W) 10:30 -11:30 OCT 20 (TH) 10:30 -11:30 OCT 21 (F) 10:30 -11:30
OCT 22 (S) 10:30 -11:30

4



YG-1 SOLID CARBIDE TOOLING FOR MODERN MACHINING

Jungil Moon, YG-1 Tool Co., Deputy General Manager

YG-1 is a Korean company established in 1981 and is one of the world's largest manufacturers of solid carbide cutters for metal cutting. Our speaker, Mr. Moon, will present the entire product line of YG-1 and will also show the benefits their toolings can give to modern machining.

OCT 20 (TH) 16:00 -17:00 OCT 21 (F) 16:00 -17:00

5



INTRODUCTION TO GEOMETRIC DIMENSIONS AND TOLERANCING

Lai Kah Hoong, Mitutoyo Asia Pacific Pte. Ltd., Assistant Manager, Service and Resource Center

Geometric dimensioning and tolerancing (GD & T) is an engineering mathematical drawing language that uses symbols to represent the designer’s intent. Manufacturing processes use it to understand the design while inspection facilities employ GD & T knowledge to determine the manufactured parts sizes. It is a standardized international system that is easily and accurately understood by anyone. When used properly, it yields many advantages in supporting simple to complicated designs that are not achievable with written notes. GD & T can tell how parts should fit together and how parts should function.

OCT 19 (W) 13:00 -14:00 OCT 20 (TH) 14:30 -15:30

6



RENISHAW EQUATOR™ GAUGING SYSTEM

Steve Bell, Renishaw, General Manager, ASEAN

The Equator gauging system enables process control by delivering highly repeatable, thermally insensitive, versatile and reprogrammable gauging to the shop floor. Conventional Gauges such as callipers, go/no-go gauges, and bore gauges are still used as standard to control manufacturing processes on the shop floor. But with advances in manufacturing, the need for new process control methods is increasing. The Equator is a flexible gauge, designed to provide speed, repeatability and ease of use for manual or automated applications. This is why hundreds of manufacturers worldwide are now replacing their current gauging methods with the Equator.

OCT 20 (TH) 10:30 -11:30 OCT 21 (F) 10:30 -11:30

7



METAL 3D PRINTING WITH RENISHAW’S AM400

Steve Bell, Renishaw General Manager, ASEAN

Additive Manufacturing (AM), also called 3D printing, is a process used to create three-dimensional parts from a digital file. Metal AM involves building up thin layers of metal powder through a process of laser melting (fusion) to create complete parts. The technology is able to produce complex shapes which cannot be produced by ‘traditional’ techniques such as casting, forging and machining. Additive manufacturing introduces new design possibilities, including opportunities to combine multiple components in production, minimize material use and reduce tooling costs.

OCT 20 (TH) 16:00 -17:00 OCT 21 (F) 16:00 -17:00

8



APPLICATIONS OF SWISS TYPE CNC MACHINES

Hiroshi Shirai, Precision Tsugami, Engineering Head

Swiss type machining is applicable for small size, high volume production, wherein the machine runs 24 hours a day. While this technology is very common in Japan, it is relatively new in the Philippine market. This seminar aims to teach the operation of swiss machines and the industries where it is applicable.

OCT 19 (W) 10:30 -11:30 OCT 20 (TH) 10:30 -11:30



MESCO
60TH

AVAILABLE SEMINARS

9



PORTABLE 3D MEASUREMENT & SCANNING SOLUTIONS - ENABLING FUTURE MANUFACTURING

Kosuke Takahashi, Faro, Region Manager

Discover different ways of solving your daily measurement challenges from using the FARO portable 3D measurement solution, the world's most trusted source for 3D measurement, imaging and realization technology.

OCT 19 (W) 10:30 -11:30 OCT 21 (F) 13:00 -14:00

10



NEW SMOOTH CNC / SMOOTH PROCESS SUPPORT SOFTWARE (SPS) AND MAZAK iSMART FACTORY

Akihiko Nakashima, Yamazaki Mazak Trading Corp., Applications Head

Introducing the Smooth X Control, the latest technology of CNC control for 5-axis machines. Instead of relying on high operator skill level, Smooth X can provide unmatched productivity with intuitive touch screen and special machining techniques.

OCT 21 (F) 10:30 -11:30 OCT 22 (S) 10:30 -11:30

11



NEWEST SPECIAL PROCESSES (GEAR MAKING) WITH 5-AXIS MULTITASKING MACHINES (INTEGREX)

Akihiko Nakashima, Yamazaki Mazak Trading Corp., Applications Head

With the increasing industrialization of the Philippine market, gears are becoming and more in demand. Most gear makers use conventional machines which normally take days, sometimes weeks, to complete a single gear. This seminar aims to introduce 5-axis technology, allowing factories to manufacture gears in just one setup.

OCT 19 (W) 13:00 -14:00 OCT 20 (TH) 14:30 -15:30

12



MACHINING APPLICATIONS FOR HARD TO CUT MATERIALS USED BY THE AEROSPACE INDUSTRY

Akihiko Nakashima, Yamazaki Mazak Trading Corp., Applications Head

This seminar will introduce special manufacturing technologies applicable to aerospace-related machining, wherein there is a need to cut exotic materials. This seminar will also show the most advanced technologies in multitasking and 5-axis machining.

OCT 21 (F) 14:30 -15:30 OCT 22 (S) 14:30 -15:30

13



HIGH PRECISION WEDM TECHNIQUES

Han Hong Lim, Mitsubishi Electric Ltd., Applications Manager

Having the highest level machine is not enough to ensure consistent high precision parts making. This seminar aims to teach how to achieve high accuracy parts by using the correct set up, correct material preparation, and correct machining process.

OCT 20 (TH) 13:00 -14:00 OCT 21 (F) 13:00 -14:00

14 MITSUBISHI ELECTRIC WATER VERSUS OIL WIRE EDM MACHINING

Changes for the Better

Han Hong Lim, Mitsubishi Electric Ltd., Applications Manager

This seminar aims to explain the difference between water and oil machining; mainly how each type of machining affects workpiece accuracy, hardness, and surface roughness.

OCT 19 (W) 14:30 -15:30 OCT 21 (F) 14:30 -15:30

15 SEYI PRESSES: SERVO TECHNOLOGY FOR MORE EFFICIENCY AND LESS LIMITATIONS

PRESSING AHEAD

Leo Lin, Shieh Yih Machinery Industry Co., Ltd., Sales Manager

Shieh Yeih Machinery Industry (Seyi) is a company located in Taoyuan, Taiwan that specializes in Servo Presses. Since its founding in 1962, Seyi presses are used by customers in various industries such as automotive, airplane manufacturing, consumer electronics, household appliances, and in medical. Seyi Servo Presses are equipped with servo motors that allow for highly accurate forming processes. In this seminar, you will learn the advantages and applications of Seyi Servo Presses.

OCT 21 (F) 16:00 -17:00 OCT 22 (S) 13:00 -14:00

16 NX CAD/CAM: 5-AXIS PROGRAMMING FOR GEAR MAKING APPLICATION

Eric Reyes, Tecnologix, Inc., Business Development Officer

Tecnologix offers the NX CAD/CAM system, an integrated solution for your business. It is an essential tool when your product requires 5-axis machining. This software is especially useful on Mazak's multitasking machines.

OCT 19 (W) 14:30 -15:30 OCT 20 (TH) 16:00 -17:00

17 PARTMAKER PROGRAMMING SOLUTIONS FOR TURN-MILL MACHINES

Belen Dela Peña, Partmaker Software Sales & Services, Manager for Sales & Technical Support

With PartMaker Turn-Mill, operators and programmers can take full advantage of your CNC machine capabilities by allowing programming done offline in your computer. It eliminates costly machine crashes through accurate NC code and machine simulation.

OCT 19 (W) 13:00 -14:00 OCT 20 (TH) 13:00 -14:00

18 HOW TO DO BUSINESS WITH MOOG

Mark Henderson, Moog Controls, Supply Chain Manager

In this seminar, Mr. Henderson will be discussing how potential suppliers can do business with Moog. He will be elaborate what type of suppliers Moog is currently looking for and how suppliers can get properly accredited.

OCT 19 (W) 14:30 -15:30



Map to MESCO

