Advantage of MOS Software

Thai Robotics And Automation is the company who develop advance automation system. During 17 years history we supply our machine to many industries. MOS (Machine operation System) is the software for machine management; it is one of our proud products. it can fit to many cyclic scheduling processes such as Plating process. We installed our software more than 20 licenses for plating machine. The advantages of our software are;

- It can run two algorithms (Fix time way or Random system).
 Customer can select Fix time Way for mass production. And can select Random system for small lot Varity product. So, it suitable for Plating service industry and also for in house plating machine.
- Full automation system.
 We develop the system in full automation. The machine can do Automatic rectifier control,
 Graph record of Rectifier output, Amp/Hour count and reduce current due to preset Amp/Hour,
 Automatic dosing, Automatic Load/Unload, Custom process time and sequence, Production report, Chemical usage report And more.
- 3. Random system uses the "knowledge base and Time Priority algorithm" to find the base scheduling for each Transporter.
- Custom design.
 We design the MOS software follow customer requirement. And we also can modify old machine to use our software.
- 5. All interface can use for loading product. Barcode, RFID and Direct key in.

SAMPLE SCREEN



Fig.1 Loading Screen

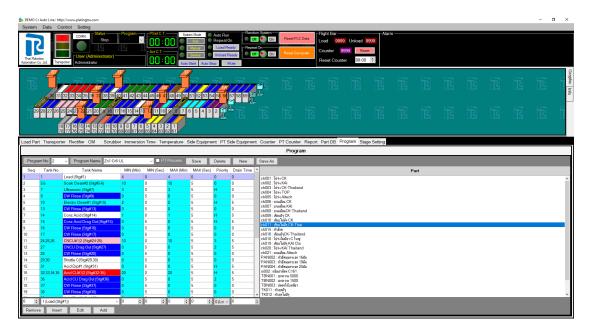


Fig.2 Process setup screen

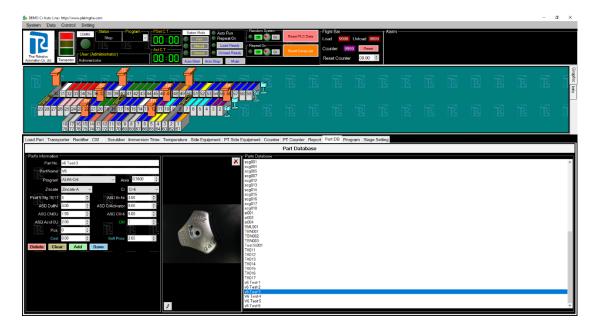


Fig.3 Parts Data Base

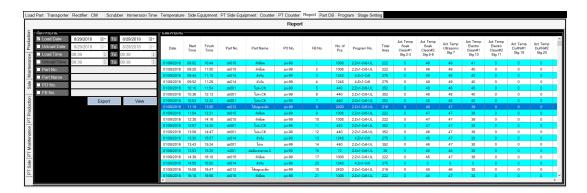


Fig.4 Production Report



Fig.5 Chemical Maintenance Report



Fig.6 Rectifier Output Graph

TOTAL IN THAILAND

24 Licenses

Customer reference

1. Customer name: ABLE SANOH INDUSTRIES (1996)

Business: Car parts manufacturing

Machine: Automatic Zinc Rack Plating machine

Automatic Zinc Nickel Rack Plating machine

MOS Version: 2009 MOS for Automatic Plating machine

Year of Installation: 2010 (2 License)



Customer name: WATTANAKIT PLATING (WTK PLATING)

Business: Plating service

Machine: Automatic Zinc diecasting plating machine

MOS Version: 2015 MOS Random loading system

2018 MOS Update Random loading system for Copper, Nickel, Chrome

and Zincate Plating

Year of Installation: 2018 (2 License)



3. Customer name: C.C.S. ADVANCE TECH

Business: Aero space parts manufacturing Machine: Automatic hard anodizing machine

MOS Version: 2018 MOS Random loading system for Aero Space parts manufacturing

Year of Installation: 2019 (1 License)



4. Customer name: Triumph Structures (Thailand) Ltd.Business: Aero space parts manufacturingMachine: Automatic hard anodizing machine

MOS Version: 2014 MOS Random loading system for Aero Space parts manufacturing

Year of Installation: 2014 (1 License)



5. Customer name: FORTUNE PARTS INDUSTRY PUBLIC COMPANY LIMITED

Business: Car parts manufacturing

Machine: Automatic ABS Plating machine

MOS Version: 2012 MOS Random loading system for ABS Plating

Year of Installation: 2012 (1 License)



6. Customer name: AICEC MACHINE (THAILAND)

Business: Car parts manufacturing

Machine: Automatic zinc plating machine

MOS Version: 2008 MOS Random loading system for Zinc Plating

Year of Installation: 2008 (Original for Giraffe plating) (1 License)



7. Customer name: FARATECH

Business: Plating service

Machine: Automatic Zinc plating machine (2 Machines)

Automatic Zinc Nickel plating machine

Automatics Zinc + Zinc Nickel playing machine

MOS Version: 2016 MOS Random loading system for Zinc Nickel Plating (banpho plant)

2018 MOS Random loading system for Zinc Plating (Banpho plant)
2018 MOS Random loading system for Zinc Plating (Bangplee plant)
2020 MOS Random loading Zinc + Zinc Nickel playing machine (Bangplee

plant)

Year of Installation: 2016, 2018, 2020 (4 License)



8. Customer name: GRAVURE ATR CENTRE

Business: Gravure plating

Machine: Gravure Copper plating

Chrome plating

MOS Version: 2011 MOS For Gravure plating bath

Year of Installation: 2011(1 License)

Gravure art centre

9. Customer name: JAROONRAT PRODUCT

Business: EDP Plating

Machine: Automatic Vertical EDP plating machine

MOS Version: 2012 MOS Random loading system for EDP Plating

Year of Installation: 2012 (1 License)



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10. Customer name: KCE ELECTRONICS PUBLIC COMPANY

Business: PCB Manufacturing Machine: Nickel Gold Plating

Copper Panel plating

MOS Version: 2008 MOS for Automatic Nickel Gold Plating machine

2008 MOS for Automatic Copper Pattern Plating machine

Year of Installation: 2008 (2 License)



11. Customer name: KPS PLATING
Business: Plating service

Machine: Automatic Basket Zinc plating machine MOS Version: 2012 MOS for Chromate Zinc Automatic

Year of Installation: 2012 (1 License)



12. Customer name: P.C.B. CENTER

Business: PCB Manufacturing

Machine: Automatic copper pattern plating machine MOS Version: 2005 MOS for Copper Plating machine

Year of Installation: 2005 (3 License)

13. Customer name: P.N.S.A. PLATING COMPANY

Business: Plating service

Machine: Automatic Zinc rack plating machine

Automatic Zinc Barrel plating machine
Automatic Chrome barrel plating machine

MOS Version: 2014 MOS for Zinc Plating machine

Year of Installation: 2014 (3 License)



14. Customer name: RONDA (THAILAND)

Business: Watch Manufacturing

Machine: Automatic Nickel Gold Plating machine MOS Version: 2018 MOS for watch parts plating

Year of Installation: 2018 (1 License)

