

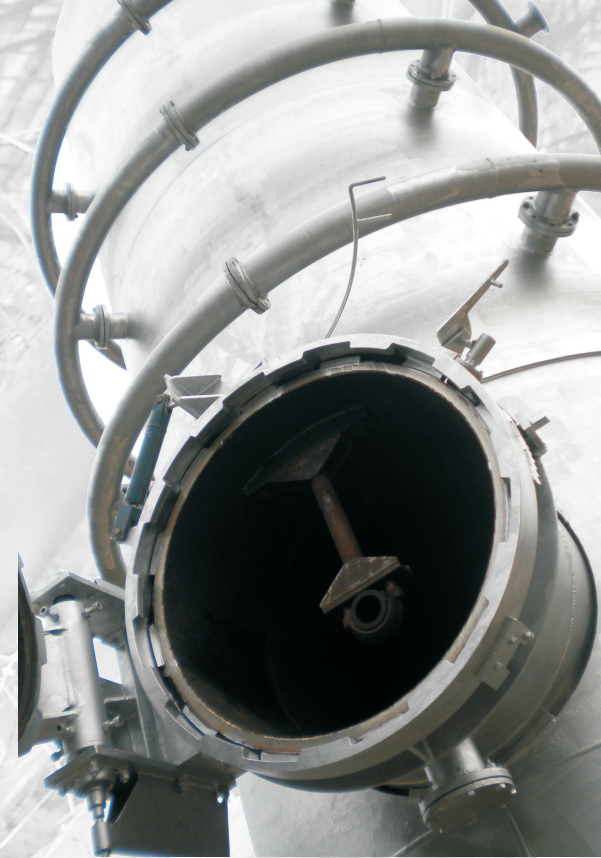
Dedicated • **Reliable** • Experienced

15-30, 40-80, 45-90 or 120-160 TPH Mill Full Turnkey Projects

Palm Oil Mill Construction Specialist

Empowered with **Vertical Sterilization Technology**

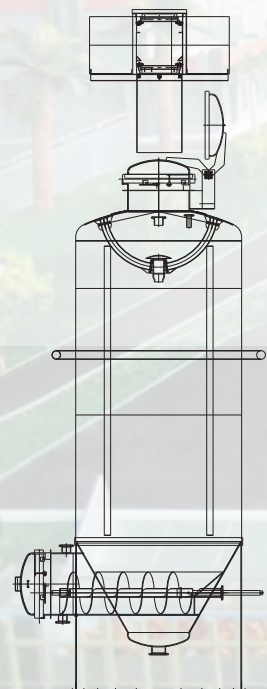
Efficient • Compact • **High Yield** • High Return of Investment • **Highly Automated**
Quality Extraction • **Low Contaminants** • Enhanced Safety • **Low Maintenance Cost**



Patented
ProAuto™
Vertical Sterilization System



Patent No. MY-164435-A (Application No. PI 2014700584)
Patent No. MY-165326-A (Application No. PI 20062472)



Latest ProAuto VS System

Models: PASS 20i - PASS 30i - PASS 40i
(20-30-40 metric tons capacity)

AWAN TIMUR
ADVANCED VERTICAL STERILIZER TECHNOLOGY SDN BHD
(1238838-V)

*A Malaysia Investment Development Authority (MIDA) certified Pioneer Status company
in "Advance Vertical Sterilizer Pressure Vessel for Palm Oil Industry"*

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Patent No. MY-164435-A

**Efficient • Compact • High Yield • High Return of Investment • Highly Automated
Quality Extraction • Low Contaminants • Enhanced Safety • Low Maintenance Cost**

Awan Timur Sterilizer Technology's

ProAuto™

ProSafe

Vertical Sterilization System & FFB Handling System

ProAuto Vertical Sterilization (VS) System [Patent No. MY-164435-A] and FFB Handling System [Patent No. MY-165326-A] are new cutting-edge milling technologies developed by ATG to fulfill the need of the palm oil industry to stay competitive by maximizing palm products extraction at a reduced cost and at the same time meet the requirements of 3MCPDE, HACCP, GMP and specific Principles and Criteria of RSPO & MSPO.

The revolutionary ProAuto VS & FFB Handling Systems essentially modernize the reception and delivery methods of fresh fruit bunches for the sterilization process. Fresh fruit bunches are now cleansed, less bruised and sterilized in high precision vertical pressure sterilizer vessels of 20–30–40 metric tons each. The improved sterilization processes produces CPO of high quality and quantity.

[+ Benefits]

- Quality extracted oil to meet the requirements of 3MCPDE, MSPO, RSPO, HACCP & GMP
- Improves bunch & nut pre-conditioning process
- Significant saving (~60%) in steam & water consumption
- Enhanced occupational safety & hazard control
- Plant automation for higher efficiency
- Eliminates iron contamination from cages and air pocket
- No leakage of oil and condensate
- Low operating & maintenance cost
- High throughput
- Low labour requirement
- Smaller sterilizer footprint



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