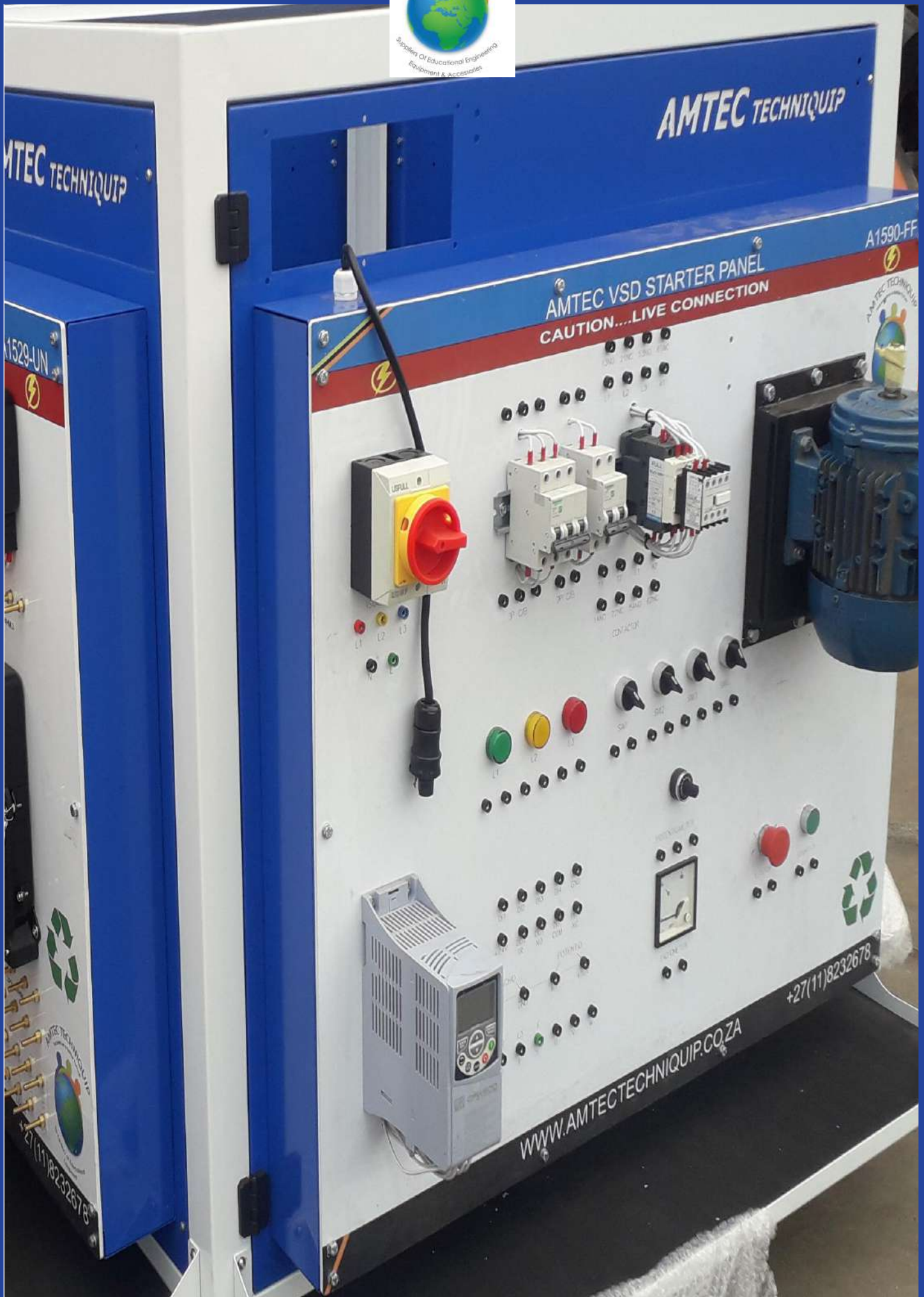


## COMPANY PROFILE







Amtec Techniquip applies 30 years of knowledge & experience in the design, manufacture and import of educational engineering equipment, accessories, instrumentation and consumables.

During this time, we have been a market leader in innovation, bringing many new concepts and products to the educational industry while expanding our comprehensive range of quality teaching equipment to a level unsurpassed by any other company in the industry.

This includes unique new methods of introducing and educating the learners in all facets of modern engineering. Our products are visual and demonstrational to best teach and explain concepts from basic engineering, all the way up to research and thesis levels in the most advanced forms of engineering.

## **Amtec Techniquip's commitment to the end user...**

AMTEC offers a personal approach to each and every end user as we are always available to meet and discuss any requirements face-to-face basis to provide a tailor-made solution.

AMTEC have a large footprint throughout Southern Africa and regularly visit the countries and provinces we service while also keeping our customers up-to-date with any new products and innovations we bring to the market.

AMTEC supplies expert training on all our products. Our team of experts offer training at the end user or alternately at our head office in Jhb. All our products are supplied with their relevant manuals, course materials and exercise guides.

AMTEC offers unmatched after-sales service and customer support. All our equipment is supplied complete with ICT (Installation, Commissioning & Training). Our sales and support teams are at the end user's disposal should any assistance be needed during the life of a product.

AMTEC offers an extended Service and Maintenance plan to make sure that your equipment and apparatus are maintained to ensure a long lifespan with little or no downtime.

AMTEC makes use of only quality components to ensure reliability and longevity of all our manufactured equipment. This provides the end user with peace of mind and a product that will stand the test of time in an educational environment.

AMTEC has the manufacturing capability to R+D and manufacture "one-off" designs and customise any equipment within our range to meet the end users requirements. We have many accessories, add-ons and tooling that can work in conjunction with our equipment and trainers.

AMTEC offers a 24-month factory warranty on all our products supported by the backing of our local & international suppliers.

# Tertiary Education

## Aerospace Engineering

Aerodynamics  
Environmental Control  
Fluid Mechanics / Wind Tunnels Fluid  
Machines  
Heat Exchange  
Heat Transfer  
Thermodynamics  
Theory of Machines  
Internal Combustion Engines  
Materials Testing  
Theory of Machines  
Process Control Technology  
Structures  
Statics & Vibration  
Fluid Science  
Engineering Science / Fundamentals  
Mechanisms



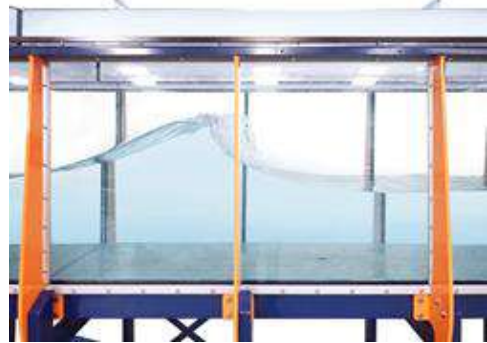
## Chemical Engineering

- Fluid Mechanics
- Fluid Machines
- Water Treatment
- Heat Exchange
- Heat Transfer
- Thermodynamics
- Refrigeration & Air Conditioning
- Internal Combustion Engines / Gas Turbines
- Chemical Engineering
- Unit Operations
- Biochemical Engineering
- Process Control / Control Engineering
- Fluid Science
- Engineering Fundamentals
- Machine Elements
- Food Technology
- Electrical Power
- Material Testing
- Structures
- Environmental Control



## Agricultural Engineering

Fluid Mechanics  
Fluid Machines  
Hydraulics & Hydrology  
Research Flumes  
Water Treatment  
Irrigation Water Management  
Heat Exchange  
Heat Transfer  
Thermodynamics  
Refrigeration & Airconditioning  
Internal Combustion Engines  
Chemical Engineering  
Process Control Technology  
Structures  
Statics & Vibration  
Fluid Science  
Engineering Fundamentals  
Machine Elements  
Food Technology



## Biomedical Engineering

Fluid Mechanics  
Process Control  
Fluid Science  
Engineering Fundamentals  
Machine Elements



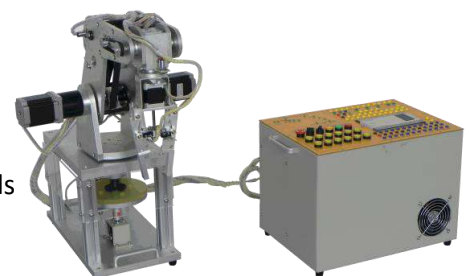
## Automotive Engineering

Autotronics  
Sectioned Automotive Parts / Components  
Aerodynamics  
Fluid Mechanics / Wind Tunnels  
Heat Transfer  
Thermodynamics  
Theory of Machines  
Internal Combustion Engines  
Structures  
Statics & Vibration  
Fluid Science  
Robotics  
Engineering Fundamentals / Science  
Machine Elements  
Materials Testing  
Control Engineering  
Environmental Control



## Robotics

Automation  
Process Control  
Engineering Fundamentals  
Machine Elements





## Civil Engineering

Aerodynamics  
Fluid Mechanics  
Fluid Machines  
Hydraulics & Hydrology  
Research Flumes  
Water Treatment  
Irrigation Water Management  
Heat Exchange  
Heat Transfer  
Thermodynamics  
Theory of Machines  
Material Testing  
Refrigeration & Air Conditioning  
Structures  
Statics & Vibrations  
Fluid Science  
Engineering Fundamentals / Science  
Electrical Power  
Renewable Energy / Solar  
Environmental Control



## Electrical Engineering

Automation  
Digital Systems  
Data Communication & Networking  
Electrical installations / Industrial Control  
Electric Machines  
Electronics  
Home Automation  
Industry 4.0  
Mechatronics  
Power Electronics  
Power Engineering  
Process Control  
Renewable Energy  
Telecommunication  
IOT  
Electromechanics



## Geo Science Engineering

Fluid Mechanics  
Fluid Machines  
Hydraulics & Hydrology  
Research Flumes  
Water Treatment  
Irrigation Water Management  
Heat Exchange  
Heat Transfer  
Structures



## Environmental Engineering

Fluid Mechanics  
Fluid Machines  
Hydraulics & Hydrology  
Research Flumes  
Water Treatment  
Irrigation Water Management  
Heat Exchange  
Heat Transfer  
Thermodynamics  
Refrigeration & Airconditioning  
Internal Combustion Engines  
Chemical Engineering  
Unit Operations  
Biochemical  
Process Control Technology  
Structures  
Statics & Vibration  
Fluid Science  
Engineering Fundamentals  
Machine Elements  
Food Technology



## Food Technology

Fluid Mechanics  
Heat Exchange  
Heat Transfer  
Thermodynamics  
Unit Operations  
Process Control  
Food Technology



## Industrial Engineering

Automation  
CNC  
Hydraulics  
Mechatronics  
Pneumatics  
Process Control

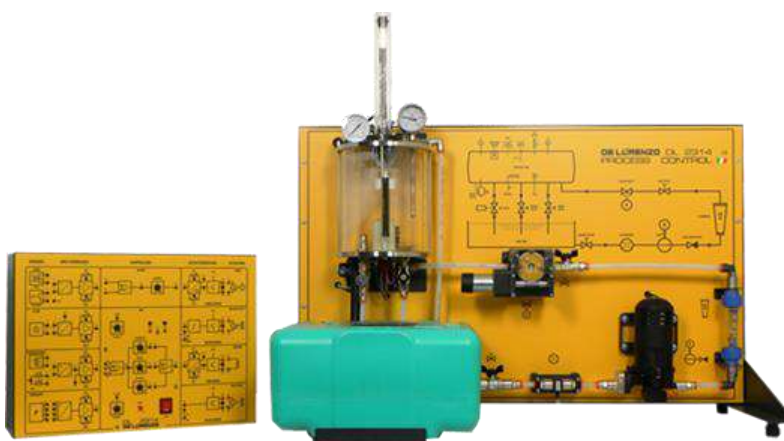


## Mining Engineering

Sectioned Automotive parts / Components  
Air Conditioning & Refrigeration  
Combustion engines  
Heat Transfer  
Fluid Machines  
Fluid Mechanics  
Structures  
Theory of Machines  
Thermodynamics  
Irrigation & Water Management  
Water Treatment  
Material Testing & Properties  
Environmental Control

## Mechanical Engineering

Automation  
Sectioned Automotive Parts / Components  
Fluid Mechanics  
Fluid Machines  
Compressible Fluid Flow  
Heat Exchange  
Heat Transfer  
Thermodynamics  
Refrigeration & Air Conditioning  
Internal Combustion Engines  
Process Control  
Structures  
Statics & Vibrations  
Fluid Science  
Engineering Fundamentals  
Machine Elements  
Naval Architecture  
Industry 4.0  
Material Testing  
Strength of Materials  
Mechanisms / Mechanics  
Pneumatics  
Theory of Machines  
Renewable Energy  
Hydraulics  
Mechatronics



## Maritime Engineering

Fluid Mechanics  
Fluid Machines  
Hydraulics & Hydrology  
Research Flumes  
Heat Exchange  
Heat Transfer  
Thermodynamics  
Theory of Machines  
Internal Combustion Engines / Gas Turbines  
Process Control / Control Engineering  
Structures  
Statics & Vibrations  
Fluid Science  
Engineering Fundamentals / Science  
Machine Elements  
Naval Architecture  
Electronics  
Electrical Engineering  
Strength of Materials  
Telecommunications  
Electrical Power  
Telecommunication  
Environmental Control



## AMTEC is Solution-driven

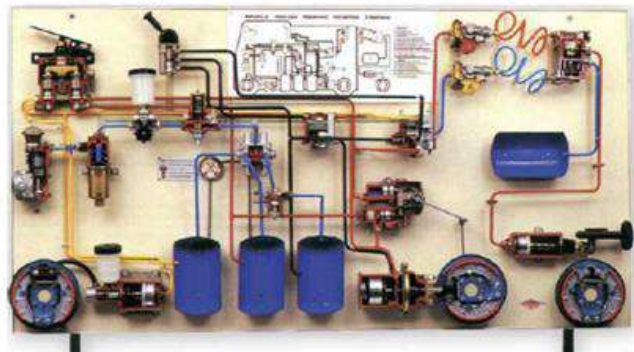
AMTEC is an OEM and develop, design and manufacture quality equipment for all Engineering curriculum requirements. We have over the years forged strong relationships with reputable local and international suppliers of equipment, tooling, instrumentation, consumables and machinery, enabling us to have a “one stop shop” approach to assist with all your engineering workshop / laboratory requirements. We provide robust equipment that has the learners learning experience and safety in mind.



# Vocational Education

## Auto Electrician    Auto Tronics

Sectioned Automotive parts & components  
System Operations  
Ignition Systems  
Engine Operation  
Injection  
Braking Systems  
Emission Control  
Safety Systems  
Air Conditioning  
Hybrid Systems  
Vehicle Diagnostics  
Workshop Equipment  
Specialized Tooling  
Workshop Furniture  
Consumables



## Electrical Engineering

Automation  
Digital Systems  
Data Communication & Networking  
Electrical installations / Industrial Control  
Electric Machines  
Electronics  
Home Automation  
Industry 4.0  
Mechatronics  
Power Electronics  
Process Control  
Renewable Energy  
Telecommunication  
IOT  
Electromechanics  
Workshop Equipment, Tooling & Instruments  
Specialised Tooling  
Workshop Furniture  
Consumables





## Mechanical Fitting Turning

Sectioned Mechanical Equipment  
Alignments of Flanges, couplings, pulleys & sprockets  
Bearing Fitment & Assemblies  
Pumps & pumping systems  
Clutches  
Gearboxes  
Hydraulics  
Pneumatics  
Workshop Equipment & Tooling  
Specialised Tooling  
Workshop furniture  
Consumables



## Motor Mechanical Diesel Petrol

Auto Electrical  
Diagnostic Equipment  
Sectioned automotive parts & components  
Strip & Assembly of Automotive parts & systems  
Running / Operational Engines  
Workshop Equipment, Tooling & Equipment Specialised  
Workshop Equipment  
Specialised Instruments  
Consumables



## Instrumentation

Control Systems  
Process Control  
Specialised Equipment  
Specialised Tooling



## HVAC Air-conditioning Refridgeration

Workshop Training Equipment  
Sectioned HVAC Components & Systems  
Specialised Instruments  
Workshop Tooling  
Consumables



## AMTEC is a TEAM

Amtec Techniquip are in the forefront of design and use the strictest manufacturing policies, we have designed and developed equipment according to the customers' requirements, backed by a team of engineers and technicians that are available to assist with any custom or one-off designs to meet the individuals requirements.





# Technical High Schools

## Mechanical Elements

Sectioned Mechanical Equipment  
Alignments of Flanges, couplings, pulleys & sprockets  
Bearing Fitment & Assemblies  
Pumps & pumping systems  
Clutches  
Gearboxes  
Hydraulics  
Pneumatics  
Workshop Equipment & Tooling  
Specialised Tooling  
Workshop furniture  
Consumables



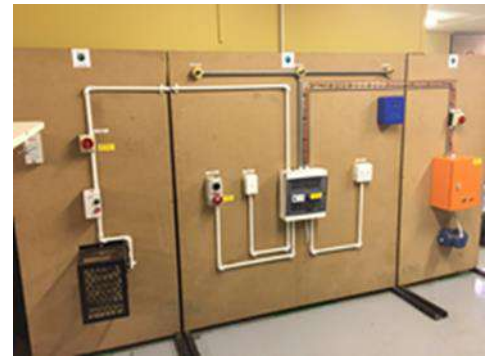
## Automotive

Automotive Elements  
Sectioned Automotive parts & components  
System Operations  
Ignition Systems  
Engine Operation  
Injection  
Braking Systems  
Emission Control  
Safety Systems  
Air Conditioning  
Hybrid Systems  
Vehicle Diagnostics  
Workshop Equipment  
Specialised Tooling  
Workshop Furniture  
Consumables  
Auto Electrical  
Diagnostic Equipment  
Sectioned automotive parts & components  
Strip & Assembly of Automotive parts & systems  
Running / Operational Engines  
Workshop Equipment, Tooling & Equipment  
Specialised Workshop Equipment  
Specialised Instruments  
Consumables

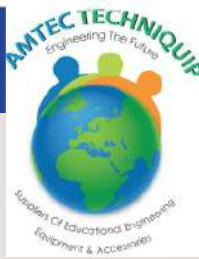


## Electrical Engineering

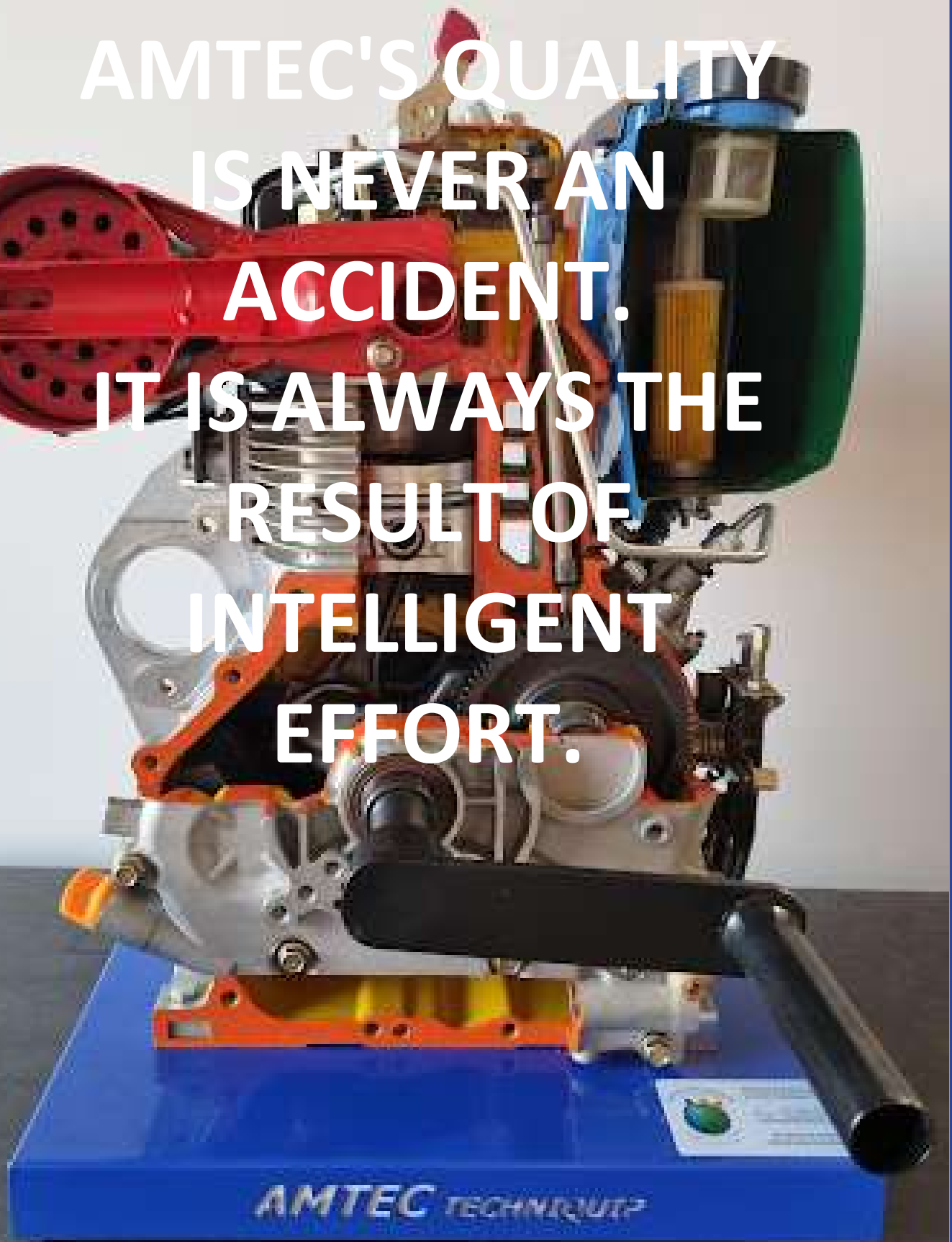
Automation  
Digital Systems  
Data Communication & Networking  
Electrical installations / Industrial Control  
Electric Machines  
Electronics  
Home Automation  
Industry 4.0  
Mechatronics  
Power Electronics  
Process Control  
Renewable Energy  
Telecommunication  
IOT  
Electromechanics  
Workshop Equipment, Tooling & Instruments  
Specialised Tooling  
Workshop Furniture  
Consumables







AMTEC'S QUALITY  
IS NEVER AN  
ACCIDENT.  
IT IS ALWAYS THE  
RESULT OF  
INTELLIGENT  
EFFORT.





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**AMTEC TECHNIQUIP – ENGINEERING THE FUTURE  
& SUPPLYING WORLD-CLASS EDUCATIONAL EQUIPMENT FOR:**

- ✧ 4<sup>th</sup> Industrial Revolution
- ✧ Automotive – Petrol, Diesel, Electric, Hybrid
- ✧ Auto-Electrical & Auto-tronics
- ✧ Chemical Engineering
- ✧ Civil Engineering
- ✧ Electrical - Domestic & Industrial
- ✧ Electronics - Digital Systems & Process control
- ✧ Food Technology
- ✧ Hydraulics & Pneumatics
- ✧ Instrumentation & Process Control
- ✧ Mechanical and Alignment
- ✧ Mechatronics
- ✧ Millwright
- ✧ Renewable Energies