



MAST PROJECTS SOUTH AFRICA	MAST PROJECTS NIGERIA LTD	MAST PROJECTS GHANA
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## Company Profile

### MAST PROJECTS CC

June 2011

#### **History**

Mast Projects originated in 1993, and has built up a reputation for delivering a high quality product where and when it is required.

Operating a system of reinvestment, the company has and is constantly striving to keep abreast of up to date design techniques and fabrication processes.

Ideally located in the greater Johannesburg area, in close proximity to main highways and OR Tambo (Johannesburg) International Airport, we are in a fortunate situation to service our clients, both nationally and internationally.

#### **Objectives**

In Order to broaden our services and product range, Mast Projects is consistently prepared to explore new fields within the industry to provide Africa and its people with the communications they deserve and have come to expect.

As one of a number of mast fabricators and taking into consideration the constantly changing and ever increasing need for telecommunications, we have become a major player, especially on the

African continent. We have also opened a Warehouse/Office in Lagos, Nigeria where towers and accessories are for sale to our customers. Website is at <http://www.mastprojectsnigeria.net>.

The South African factory covered floor space has been expanded to 6000m<sup>2</sup>, and a \$3m investment has been made with the purchasing of CNC machines to improve production capacity to 5000 tons of steel per month. This is equivalent to 450 x 45m lattice towers per month.

Being a family owned company we are committed to treat all of our employees, regardless of race, creed or gender in a fair and equitable manner, with open recognition for excellence in order to attain market related remuneration for their efforts and loyalty.

Figures, Productivity, Quality and Performance are what our clients are looking for, and over the years we have done it each and every time, and we keep on doing it over and over again, standing out above the rest! That's how proud and passionate we are about WHAT we are doing, and HOW we do it to suit our client's needs and preferences trying to save you time and money in the process.

### ***In House Logistics***

Mast Projects South Africa has its own in house Logistics Import / Export section, where all manufactured towers and accessories are packed and bundles, packed into shipping containers and loaded onto trucks with the aid of our 46 Ton Stacker, and transported to shipping ports for export to various countries.

### ***Turnkey Projects***

Mast Projects provides the export market with the following packing/shipping equipment for cellular sites:

- \* Masts and Towers – Transmission Power and Telecommunications
- \* Palisade Fencing
- \* Aircraft Warning Lights

## ***Production Capacity (5000 Tons per Month)***

### ***Lattice Towers per Month***

Either - **450 x 45m Towers**  
or **260 x 70m Towers**  
or **400 x 50m Towers**

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80m Backbone Tower - Nigeria

## ***MAST PROJECTS***

**Providing Africa With Light, Sound and Vision**

## Photo Gallery

At our factory, we design and manufacture a variety of masts, poles and structures.

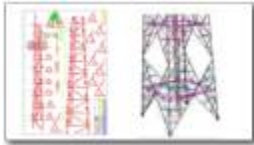
Masts and Towers are designed, manufactured and galvanized to the highest standards and to client's requirements and pertinent specifications.

All parts hot-dip galvanized as per SABS ISO 1461 Specification

Extensive use is made of CNC (Computer Numerical Control) machines to manufacture steel parts.

Our Factory has a capacity to process 5000 Tons of steel with CNC Machines per month.

### Manufacturing, packing and shipping process



Designs



Proto-Types

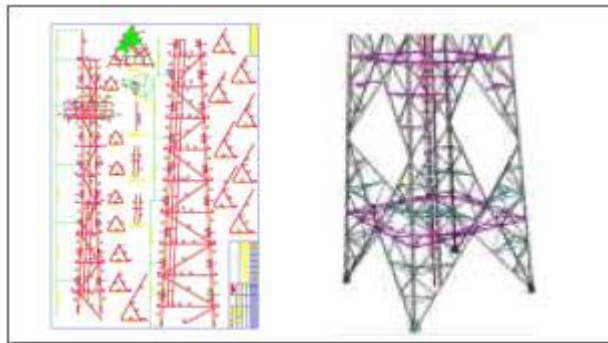


Manufacture & QA



Packing & Shipping

### Designs



We first do a concept design, and after approval a full engineering design using AutoCAD



Proto-types are manufactured and approved - Angular Lattice BTS Rooftop Tower



Angle Punch and cutting - CNC Machine

### Manufacturing and Quality Assurance



Mast Projects - Main Gate



Outside view of Plant and Weight Bridge



View of Factory with 6000m<sup>2</sup> under cover



Fully trained and experienced staff on CNC Machines



CNC Machine - A164T



CNC Machines - P51



CNC Machine - A206T



CNC Machines - P51



CNC Machine - A160



Cropper 801 linear puncher



Press Break Machine



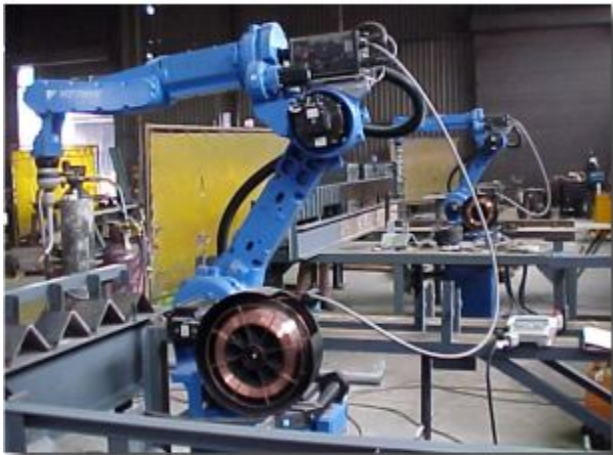
Guillotine Machine



Band Saw



Circular Saw



Robot Welders



Coded Welders



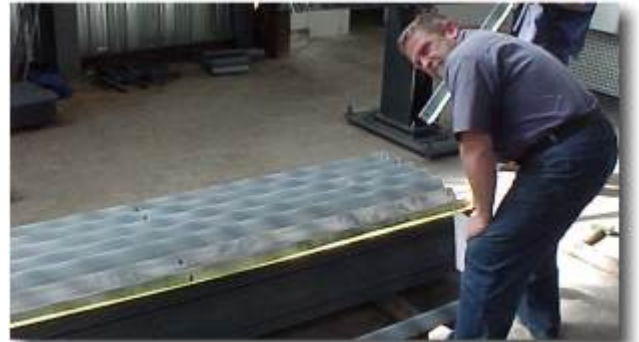
Plasma Cutting



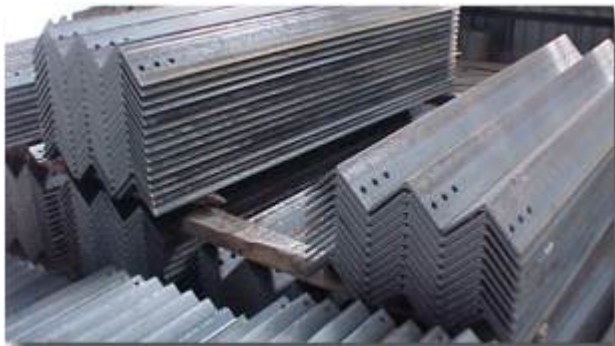
Gusset Plates ready for galvanizing



Croppers



Quality Control in action - check all parts



Manufactured Tower parts



Manufacturing template plates



Welded Base Stubs ready for Galvanizing



Manufactured Antenna mounting pipes



Gusset plates



Profile cutting - platform sections



All parts are hot-dip galvanized



Parts off-loaded from galvanizers

## Packing and Shipping



Ladder sections being packed



Horizontal and Diagonal tower members



Palisade fencing posts packed



Ladder hoops and stringers packed



Tower parts packed in crates and on pallets for shipping

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Equipment Shelters - Packed for shipping



Shelter air-conditioner units

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Accessories - Tower paint and cleaning liquid



Accessories - Aircraft warning lights

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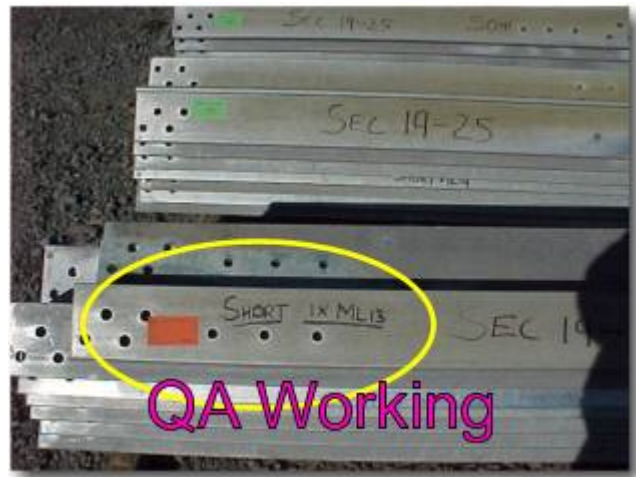
Accessories - Earthing cable



All packing crates clearly marked



Packing - Quality Control - Final Pass



Packing - Quality Control - Problem picked up



Transport parts to warehouses for shipping



Towers packed into Container



46 ton Stacker to move and stack containers



Towers Shipped to Customers - Sea Freight



Air Freight Towers to Customers