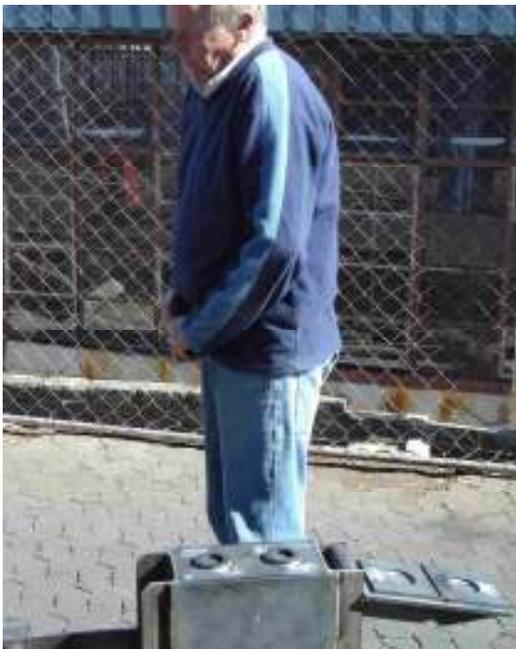




Close Up view of the unpainted machine to show the thickness of material.



These pictures are of the open machine in the offload position



Picture of a man 1.8m tall standing next to the machine



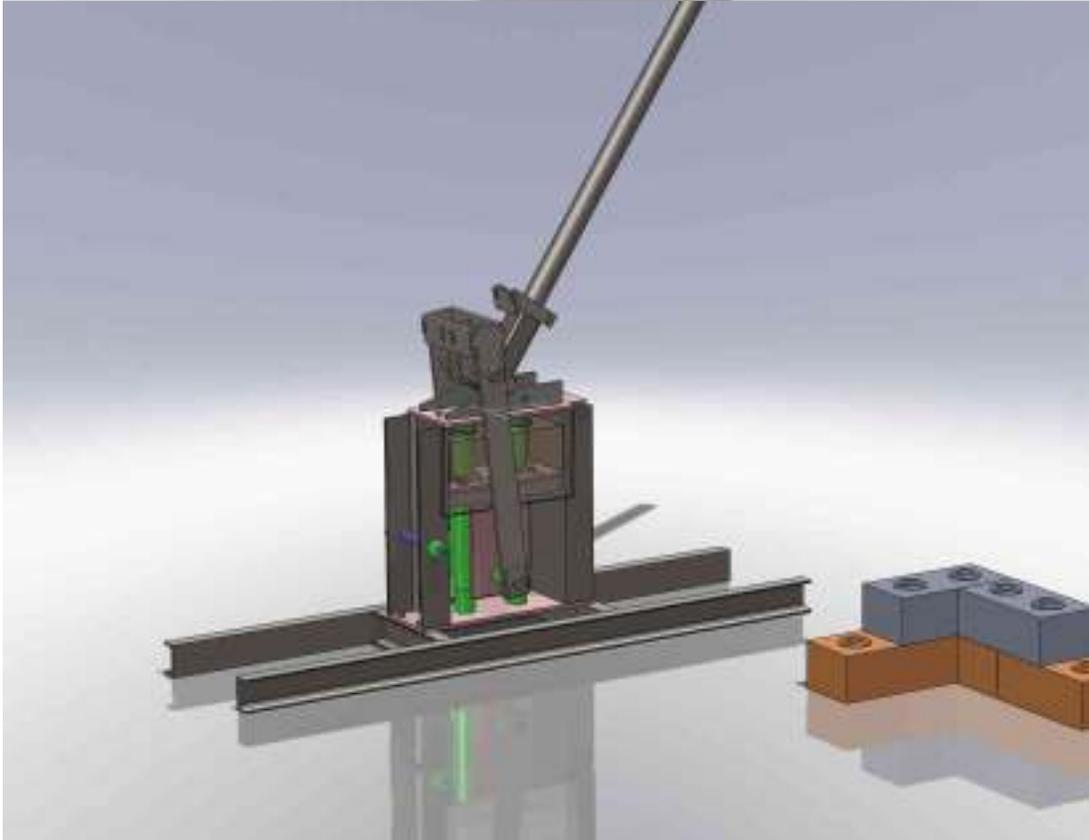
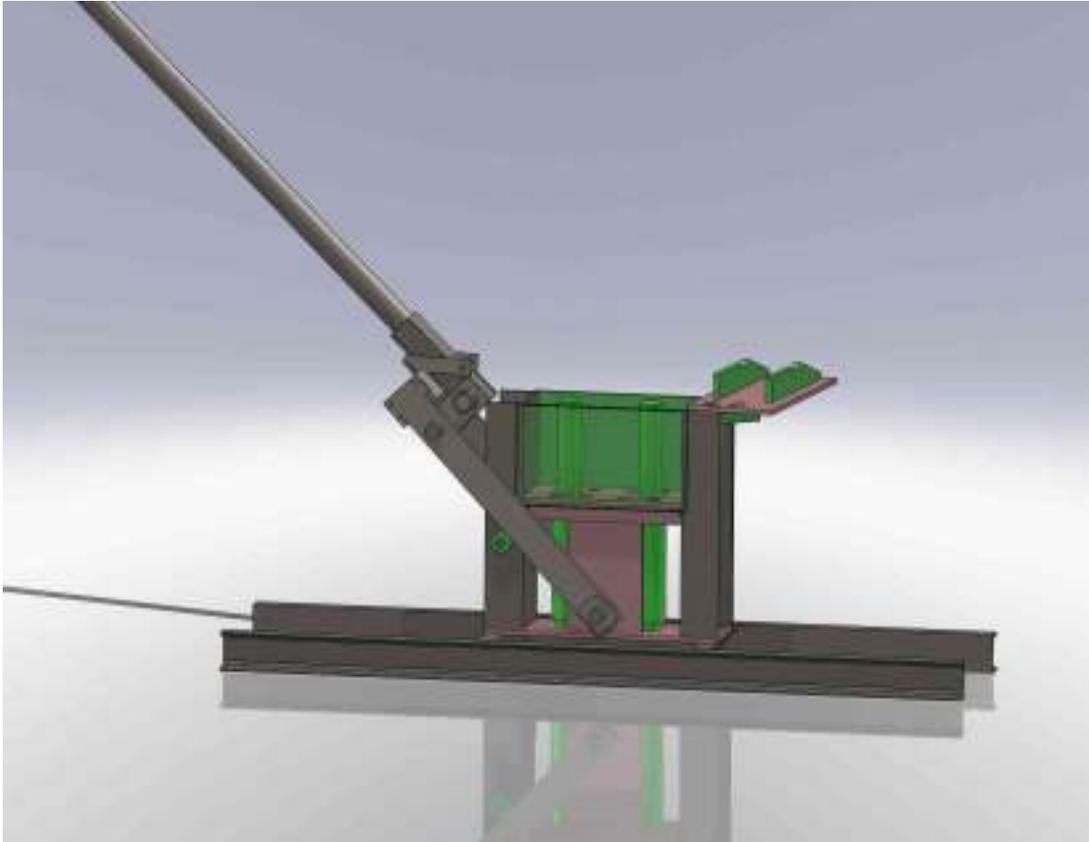
Machines being painted



Ready for shipment



Machine at site ready for production



Schematic drawings of the machine during development

## Introduction

The *Arthur Brick Press* was developed to create a method to allow small scale production of compressed maxi bricks in an efficient manner without the use of electricity or engines to power production.

## Specification

The maxi bricks produced are denser and stronger than hand packed block moulds. The *Arthur Brick Press* uses the principle of mechanical compression in making of the maxi bricks, pavers and later tiles from a number of materials.

The mechanical efficiency results in the following

- Nominal compaction force 6– 12 tonnes
- Nominal compaction pressure 1.05 – 2.1.N/mm<sup>2</sup> (150 – 300 p.s.i.)
- Compression ratio 1.6:1

The advantage is a consistent product with constant dimensions and densities.

Construction efficiencies will depend not only on the builders' skills, but to a large extent on the machine and equipment used.

The finished product will be influenced by the following

- The quality of raw material
- The strength and durability of the finished product will be influenced by sand quality the expensive cement constituents
- The *Arthur Brick Press* will enable the user to produce more uniform products with better quality finishes
- To achieve higher production rates
- To simplify or eliminate tiring operations

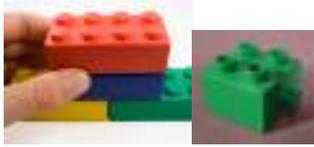
Productions volumes can be expected to be up to 300 per day with 2 operators however this volume can increase to 500 with 4–5 operators.

Brick size is 300mm x 150mm x 108mm high.

The number of maxi bricks used for 1m<sup>2</sup> of **exterior** walling is approx 32. Therefore production of 300 maxi bricks would result in 9 m<sup>2</sup> of exterior

walling per day. Interior walls would use the maxi brick laid on edge resulting in a much greater coverage for the daily production.

The bricks are modeled on the Lego® toy building interlocking block system



These pictures and trade mark are used without implying that the two products are in any way associated. The Lego® interlocking system influenced the conceptual design of the brick produced by the *Arthur Brick Press*.

## Brick Machine Manufacture

The machines are manufactured in a modern CNC (computer numerical control) engineering shop using the latest laser cutting and punching machines.



This ensures the combined approach of punching of metal components with the flexibility and quality of laser cutting in one combined manufacturing operation. Components are therefore consistently accurate within close tolerances.

## Training

It is envisaged that to achieve maximum customer satisfaction that full training in the use, maintenance and care of the machine is included in the price of each machine. An allowance from the retail selling price will be included in the cost of each machine.

Training will also include the grading of soil types (used in the production) to ensure a quality finished maxi brick.

All machines will be supplied with a detailed user manual.



**Finished Brick**

**Pricing**

Enquiries please call your local distributor

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