

SHEET METAL STAMPING PRESSES



STAMPING PRESSES INTRODUCTION

Parts formed from sheet metal

MECHANICAL PRESSES INTRODUCTION

Gap-frame presses

- Open back inclinable gap-frame

- Open back stationary gap-frame

Straightside presses

- Crown

- Columns

- Gibs

- Bed

- Bolster

Components of mechanical press

- Flywheel

- Gears

- Clutch

- Crankshaft

- Pitman

- Connection

- Slide/Ram

- Counterbalance

- Brake

Direct drive

Single gear reduction

Eccentric gear presses

Double gear reduction

Clutch & brakes

Force capacity

High speed presses

HYDRAULIC PRESSES INTRODUCTION

Advantages of hydraulic presses

Press selection

PRESS CONTROLS INTRODUCTION

Types & uses of controls

PRESS FEEDING INTRODUCTION

Sheet metal blank feeding methods

Coil stock feeding methods

Coil line components

- Uncoiler reel

- Stock straightener/leveler

- Scrap chopper

REVIEW OF PROGRAM INFORMATION