

استغلال الوقت الضائع لتحسين الإنتاج وفقاً للتغيرات التكنولوجية

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.(New master)

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(AMA)

(AIEE)

.[Barnes,]

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.[Borkinson,]

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[Drucker,]

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[Whitmore,]

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Bendaux

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,Gilbreth,Gantt

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(Case)

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Finlay, Daft

Mclenna [Finaly,],[Daft,]

[Mckenna,]

Available

Production Input

Time

. [Schermerhorn,]

. [Daft,] (())

(Daft)

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Schermerhom

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(Jones) (,)

[Jones,]

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(Daft)

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(Narayanan and Nath)

[Narayanan&Nath,]
(Stonbraker and Leong)

Output-Input

-: :

CAM

CAD

[N.C]

CIM

[Shaferwad,]

[Russell&Taylor,]

CAD /CAE

/

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CAM

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FMS

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CNC

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RM

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CIM

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.ASIRS

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(TC)Theoretical Capacity

-

(DC) Design Capacity

-

(EC) Actual Capacity

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(AC) Available Capacity -

(PC) Planned Capacity -

(RC) Rated Cap --

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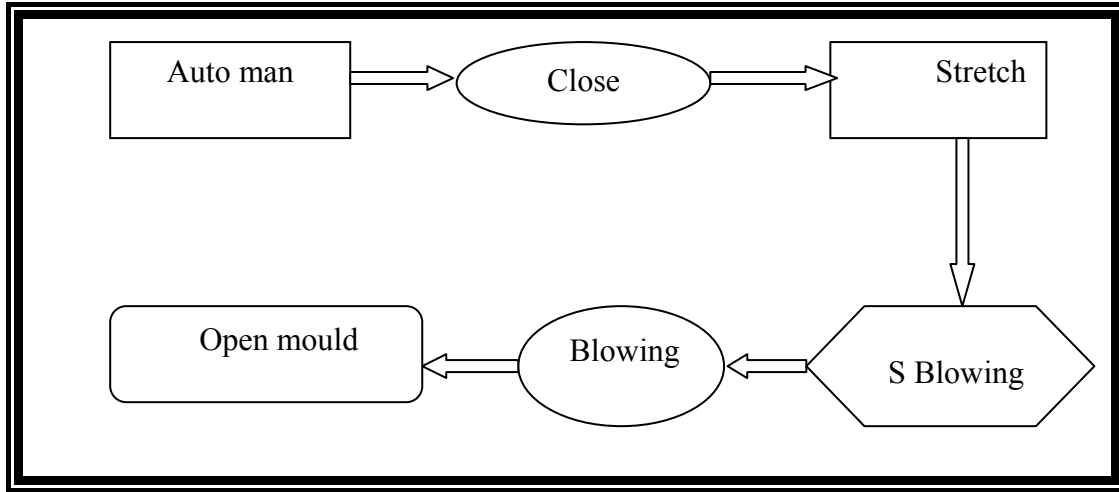
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 (Newmaster)
 (PET) (Pole-Athel)
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 (Pole-Athel) . ()
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 Simeautmatce (Semi-auto Bottle Blouer) -
 -
 (Bottle) -
 (bar) -
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 () (bar) (Bottle)
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(Bottle)

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	Automan
	Close mould
	Stretch
	S Blowing
	Blowing
	Open mould

(Chase,)

Newmaster

[WWW//Newmaster@yahoo.com] .

Newmaster

(PET)

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ISO

(Newmaster)

Technical Exchange Cooperation
(Newmaster) .

Tsing-Hua, University Beijing Food Researched instituted
D systemand R (Newmaster)

	CAD	-
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Newmaster

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Interpolation

$$T = X^* , N \dots\dots\dots$$

$$Tt = T * L \dots\dots\dots$$

- = T
- = Tt
- = X
- = L
- = N

(Barnes & Ralph,) .

T= minutes L= box X= bottles

$$T = \frac{X^*}{L}$$

T = , minutes

$$L = \frac{X^*}{T}$$

$$L = \text{Box}$$

(bottles)

$$* = \text{bottles}$$

$$* , = T$$

$$T = \frac{* ,}{}$$

$$T = , \text{ minutes}$$

$$\frac{L}{}$$

$$* = *L$$

$$L = \frac{*}{}$$

$$L = \text{Box}$$

(bottles)

$$* = \text{bottles}$$

$$* , = T$$

$$T = \frac{* ,}{}$$

$$T = , \text{ minutes}$$

$$\frac{L}{L}$$

$$* = *L$$

*

$$L = \frac{L}{L}$$

$$L = \text{Box}$$

(bottles)

$$* = \text{bottles}$$

T

$$* = T$$

*

$$T = \frac{T}{T}$$

$$T = \text{minutes}$$

$$\frac{L}{L}$$

$$* = *L$$

*

$$L = \frac{L}{L}$$

$$L = \text{Box}$$

(bottles)

$$* = \text{bottles}$$

$$T = \frac{L}{\dots}$$

T = , minutes

$$\dots = \dots L$$

$$L = \frac{\dots}{\dots}$$

L = , Box

(bottles)

... * = , bottles

$$T = \frac{\dots}{\dots}$$

T = , minutes

$$\dots = \dots L$$

$$\dots = \dots L$$

$$L = \frac{*}{,}$$

$$L = , \text{ Box}$$

(bottles)

$$, * = , \text{ bottles}$$

()

(Shift Time) ()

(Y)

(X)

(Cases)

()

(, minutes)

(Case one)

(, minutes)

.(bottles)

(, minutes)

.(bottles)

(, minutes)

.(bottles)

(, minutes)

.(, bottles)

.(, bottles)

.(, bottles)

(, minutes)

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.(/)

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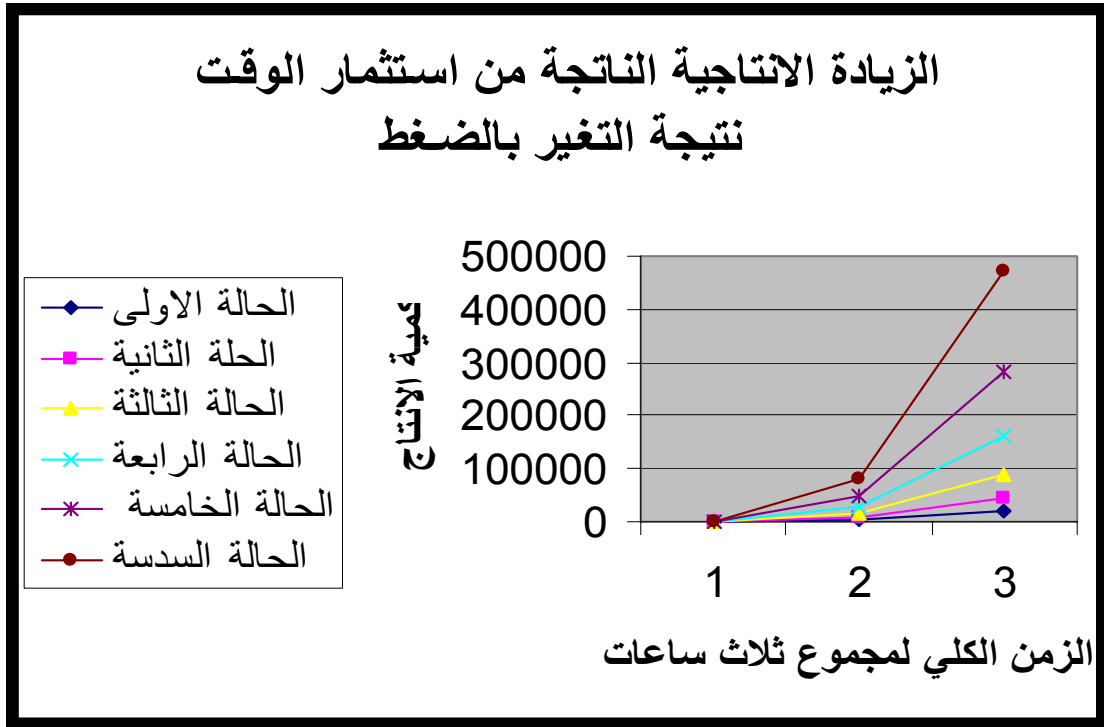
.()

.(bottles) (box) (minutes)

(, minutes - , minutes)

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