



النظام الامثل لمتطلبات برامج الصيانة في المنشآت الصناعية (الايدي العاملة – المواد – الجهد – الكلف)

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Maintenance

Production Elements

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Optimal

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: Advantages

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Abstract :

Field research confirmed that the maintenance activity equal to the importance of productive activity

At the same time not be seen as purely a work of engineering, but among the activities of administrative and engineering, economic, because it aims to achieve a better exploitation of factors of production of basic materials, machinery and work Production Elements in order to reduce production costs next to maintain the specified quality standards for the finished products. That the calculated requirements best Perfects the elements of major maintenance (labor - raw materials - labor - costs) will be reflected certain to increase the amount of production per unit time and improve product quality by reducing the rates of damage during production and reduce the cost of manufacturing, from here it is clear that interest in conservation and the adoption of systems and advanced studies for planning effectiveness factor of the key factors for achieving the goals of industrialization and improve the indicators of profit on the whole level of productive activity for any manufacturing facility, and therefore we can through this research to achieve the following advantages :

- Utilization of production capacity available to the most efficient.
- Management of maintenance efficiency target.
- Improve the indicators of profits through control of the cost elements of the search.
- Find elements are indicators of the operational efficiency of the facility.
- Reduce accidents and injuries during the implementation stages of production for the manufacture of specific goods.

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Overhaul

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Small - Medium Maintenance - Maintenance
or Inspection) (Maintenance

: (preview

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-
-

()

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60 (I - S - M - O)

(1)

:

(- - -)

(2)

()

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.() •

(..... - -) •

- :

: (K_a)

$V_I CR_I + V_S CR_S + V_M CR_M + V_O CR_O$

$K_a (1) \text{-----} =$

G

= V_o V_m V_s V_I

Overhaul Maintenance () = O

Small Maintenance = S

Medium Maintenance = M

) Inspect = I

.(

.(C) (R)=CR_o CR_s CR_m CR_I

= G

(V)

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(4) - (1)

0.85	V_1	
6.1	V_s	
23.5	V_m	
35	V_o	

$$\begin{aligned}
 &: (K_b) \cdot \\
 &\qquad\qquad\qquad \cdot (K_{b1}) \quad - \\
 &\qquad\qquad\qquad \cdot (K_{b2}) \quad - \\
 &\qquad\qquad\qquad \cdot (K_{b3}) \quad - \\
 &: (K_{b3} \quad K_{b2} \quad K_{b1}) \\
 &\qquad\qquad\qquad CRL \\
 &(2) \text{-----} = K_{b1} \\
 &\qquad\qquad\qquad {}_1H \\
 &\qquad\qquad\qquad CRL \\
 &(3) \text{-----} = K_{b2} \\
 &\qquad\qquad\qquad {}_2H \\
 &\qquad\qquad\qquad CRL \\
 &(4) \text{-----} = K_{b3} \\
 &\qquad\qquad\qquad {}_3H
 \end{aligned}$$

L :

$$.(2) \quad = ({}_3H \quad {}_2H \quad {}_1H)$$

$$(4) \quad - \quad (2)$$

500	H ₁	
1000	H ₂	
300	H ₃	

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$$(5) \dots\dots\dots (b * CR_s + a * CR_m + Q = J * W (CR_0$$

:

$$= Q$$

$$= J$$

$$= W$$

.(C)

$$(R) = CR_s \quad CR_0 \quad CR_m$$

$$= a$$

$$= b$$

$$. 3)) \quad (b \quad a \quad W \quad J)$$

$$(4) \quad - \quad (3)$$

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1.12	1.12	J
0.25	0.17	W
0,6	0.5	a
0.15	0.15	b

:

:

$$: E \quad 1-3$$

$$(6) \text{-----} CR_O F_O + CR_m F_m + CR_s F_s + CR_l E = F_l$$

:

$$= E$$

$$. (4) \quad = F_l \quad F_s \quad F_m \quad F_O$$

$$.(C) \quad (R) = CR_s \quad CR_O \quad CR_m$$

$$: \quad 2-3$$

$$(7) \text{-----} f_o E_o + f_m E_m + f_s E_s + f_l E_l = C_t$$

:

$$= C_t$$

$$. (4) \quad = f_o \quad f_m \quad f_s \quad f_l$$

$$= E_l \quad E_s \quad E_m \quad E_o$$

$$((4) \quad - \quad (4))$$

f	F	
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2,25	0,75	I
5	4	S
5	15	M
5	25	O

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(5)

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15.6	15	(K)
183	133	() Q
18000	14900	(E)
69300	44900	\$ C _t

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(I - S - M - O)

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(9)

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() 2-

3-

4-

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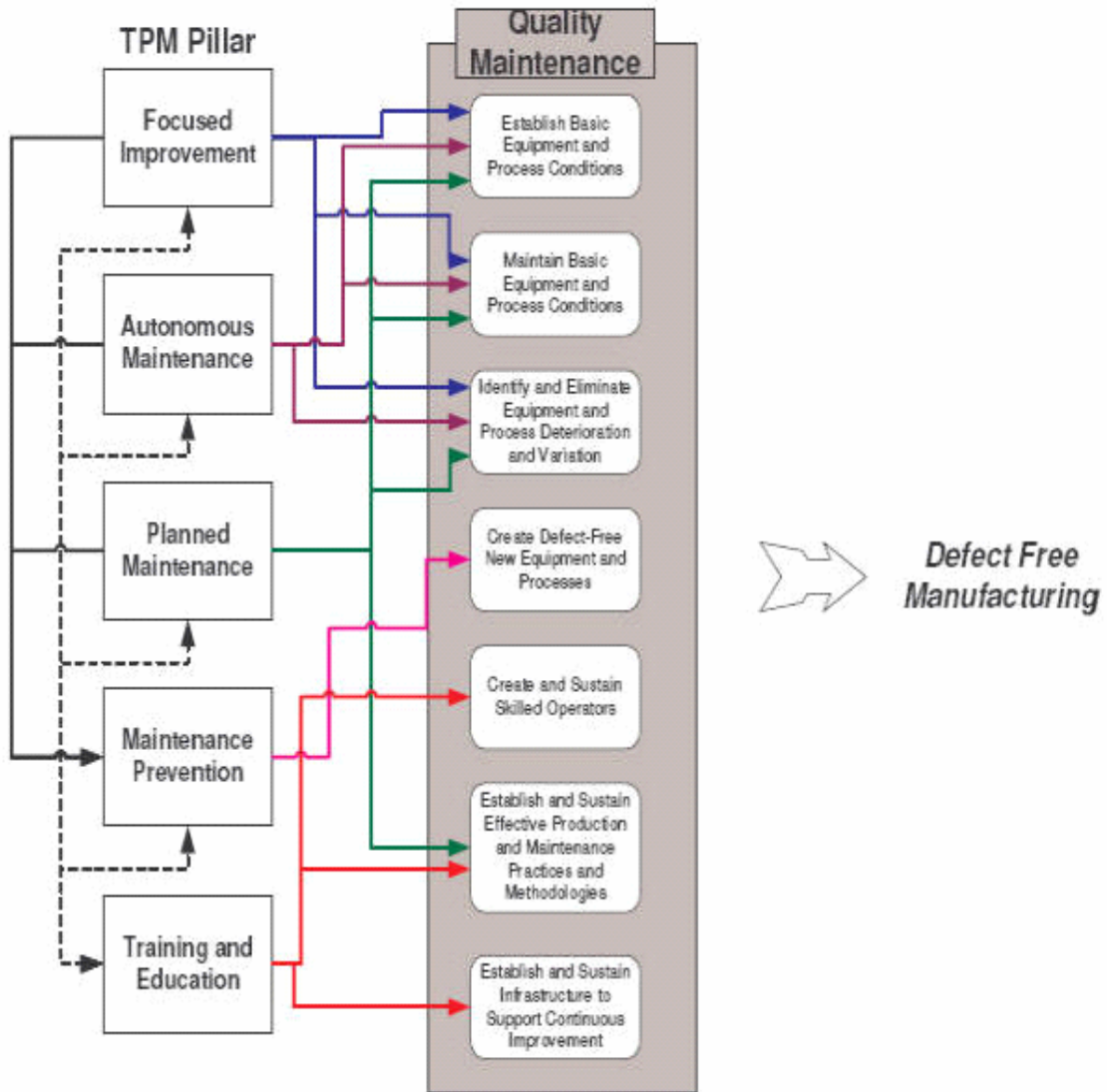
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.(7) (3) .

(3)

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. (10)

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Kordar (10)

K

= E

$W_z + L_y + C_x$

:

=E

= C_x

= L_y

= W_z

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