

Soft Motion :

Motion Control

PC

(Soft Motion)

1

PC-based

(Soft Motion)

PC

(Soft Motion)
Control

PC

Motion

Motion Control,

= PC

Logic Control, Operator Interface,
Supervisory Control, Data Acquisition,
Enterprise connectivity가

PC

PC

가

PC

OMAC(Open Modular Architecture Controls

- www.arcweb.com/omac) Users Group

(CNC)

(GMC)

가

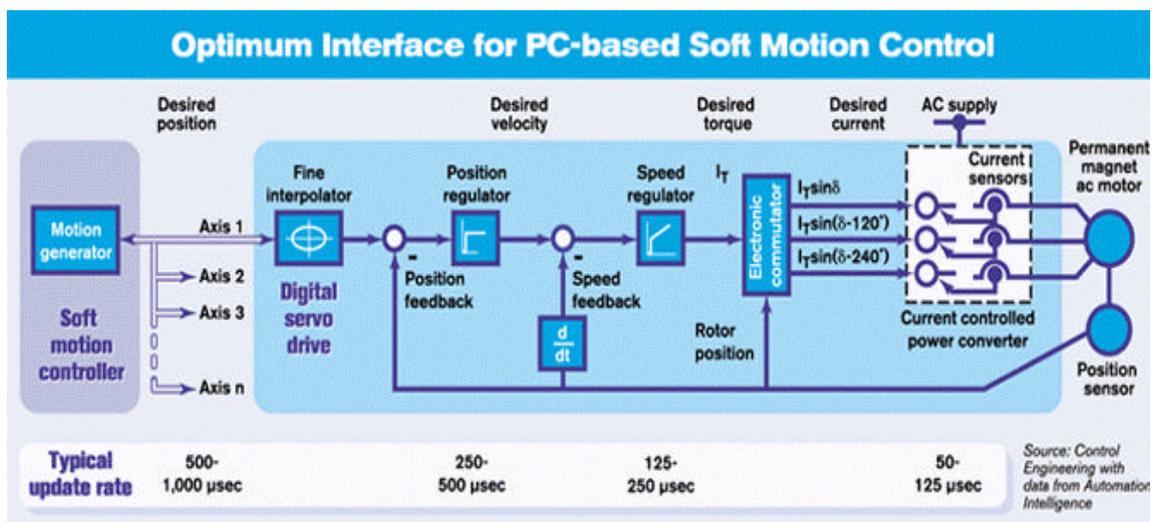
PC CPU

가

가

(Soft Motion)

PC(Intel x86



1. PC-based

(Soft Motion)

) Microsoft ((Windows) SERCOS

PC 가 가 . 가 .

(Soft Motion)

PC

PC

가

PC

가

가

가

PC

ARC Advisory Group

가 18

(www.arcweb.com)

가 PC

4%

PC

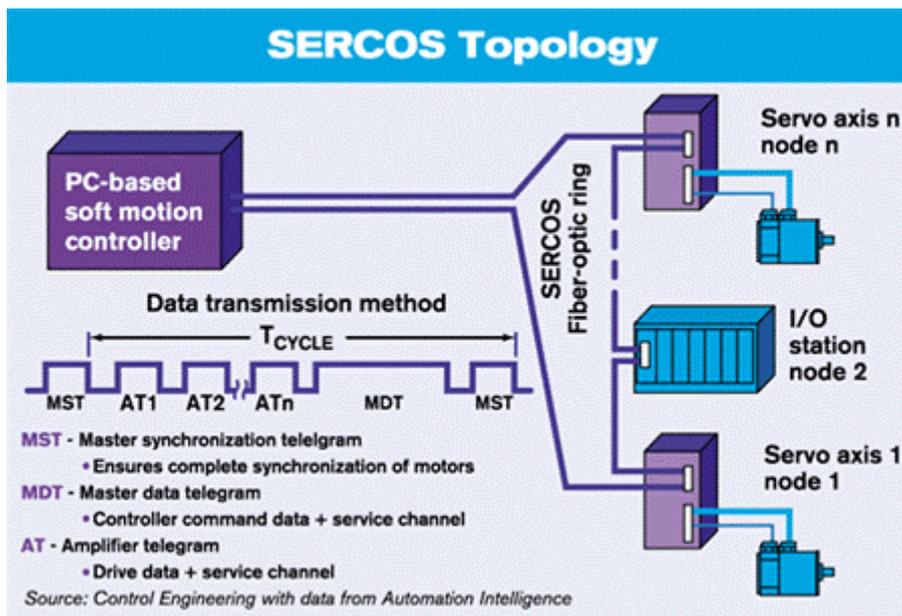
2

SERCOS

5%

50%

SERCOS



가

(NT, NT, CE) - Windows

2. SERCOS

가 (servo

가)

ARC 가 Sal Spada 1 AC servo servo

“ integrator, .

가 가

” . ARC servo

“PC-based open motion control s/w” .

1999 3,200

2004 2 5,400

가 . 20

open motion control . SERCOS(SERial Real-time COmmunication System)

(Soft Motion) Soft Motion

servo drive 1980 1995

torque (IEC 61491) .

SERCOS 120

가

enable, fault 가 12 가 motion bus .

(10-16), SERCOS

(D/A A/D) (32

가), (4Mbit/sec, 16Mbit/sec) optical medium

PC Soft Motion

가 ,

가 ,

Soft Motion 1 130 가 32,800 . (

가 10) .

(2).

SERCOS-based 32

SERCOS

(254). SERCOS

Windows NT

NT

Windows SRT(Soft Real-Time)

가 . SERCOS

SRT

가 1-2 milisecond

Windows NT

HRT(Hard Real-Time)

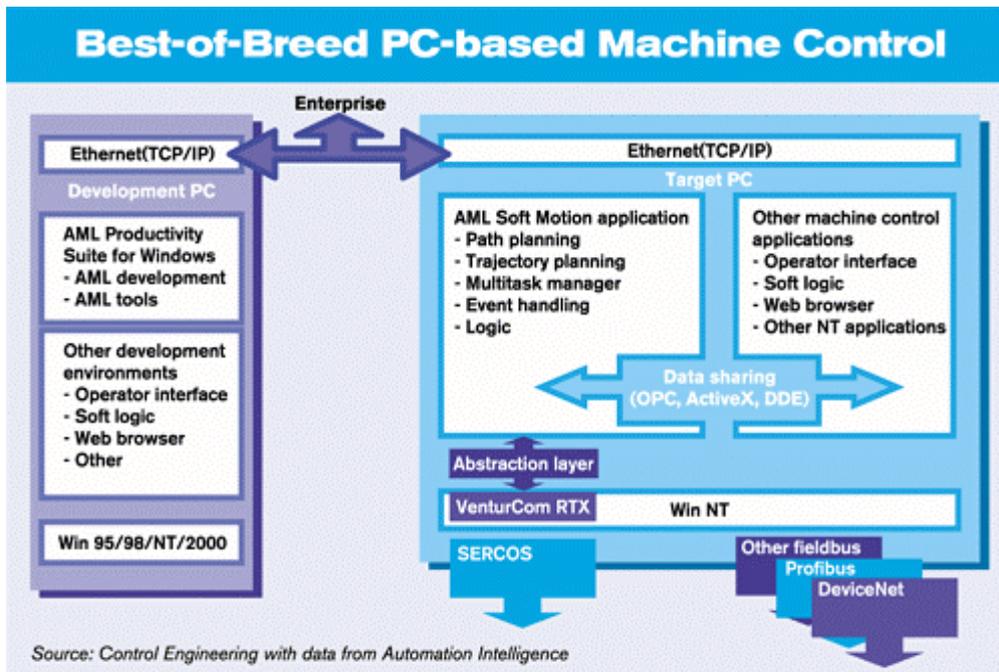
가 . HRT

SERCOS

VenturCom(

가

www.vci.com) RTX (real-



3. PC-based

time extension) WinNT가 HRT

Automation Intelligence(www. motiononline.com) AML Soft Motion

.(' AI CNC

. AML Soft Motion General machine control application

, 가 , , , , , 가

Soft Motion Win NT Soft Motion, Soft logic, enterprise connectivity,

PC 가

PC WinNT

(3

).

< AI Soft Motion >

Sanyo Denki
Automation Intelligence 1992
AML
AML
PC
PLC
AML PC
PC
Windows NT
AML Windows
NT 1999 11
AML Productivity for Windows
AML
AML camming gearing,
가
, jogging,
(
www.controleng.com Online Extra
).
Visual Basic
ActiveX Control Suite

SERCOS

SERCOS

가

가

PC

-
-
-

가

가

Soft Motion

Windows

PC,
SERCOS

PC-based
Cloud Corp(www.cloudcorp.com)

, Soft Motion

servo
packager FlexWorks Automation
Intelligence

FlexWorks poucher PC

PC-based control
HRT(hard real-time)

가

Soft Motion SERCOS servo
FlexWorks
4,000in./min

Windows (

(102m/min)

가

가

Cloud Corp.

John Banas “

AML

가

SERCOS

servo

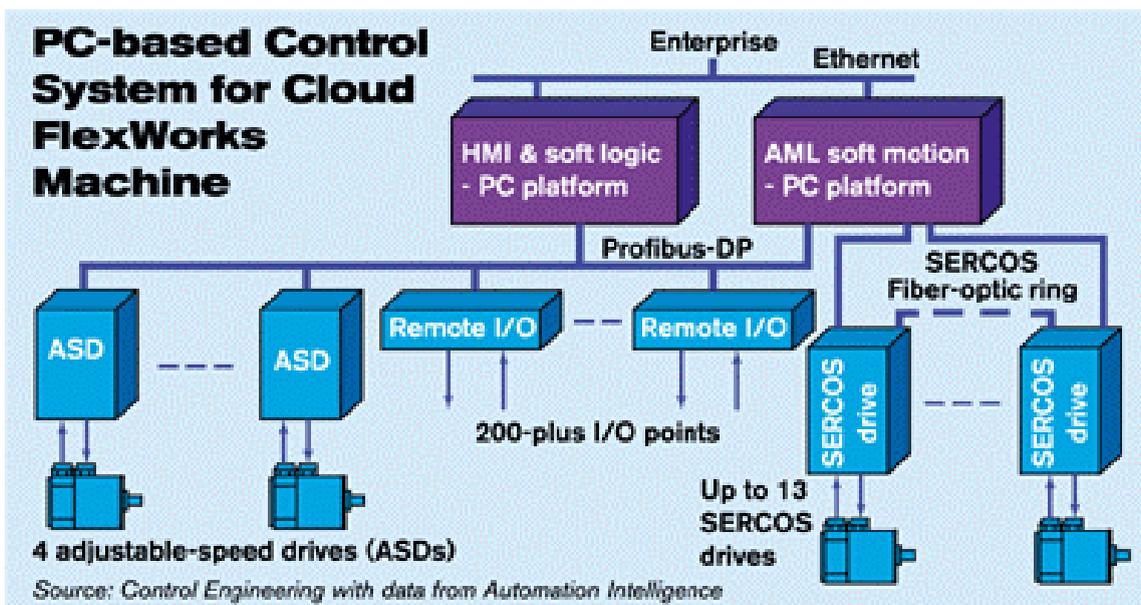
SERCOS

가

Soft Motion

가

AML SRECOS FlexWorks
 ”
 FlexWorks(4) AML Soft
 Motion PC
 SERCOS 13 AC
 PC가
 200 가
 PC,
 4 가
 PROFIBUS
 1,200
 AI Dave
 Batson Cloud FlexWorks
 “
 AML 가
 AML
 Windows
 NT AML Soft Motion



4. Cloud FlexWorks PC