

## PROJECT

아폴로11호

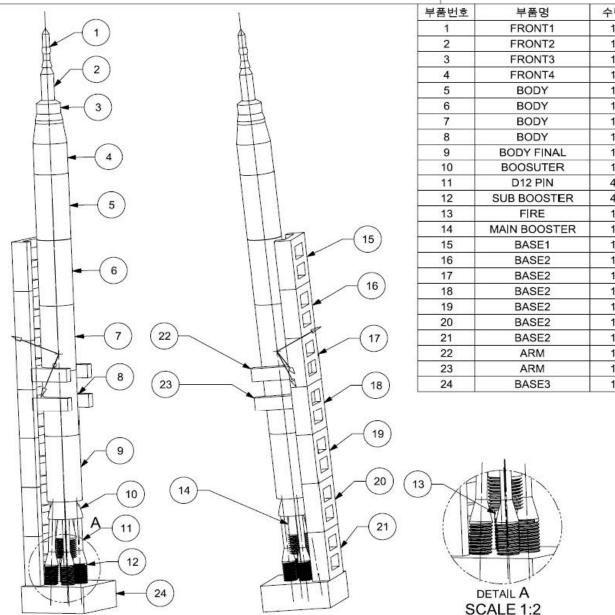


# 설 계 분 야

설계분야(3D ASSEMBLY)



#### 사용프로그램: NX8.5



>량	CAD/CAM응용CNC가공양성		
1	i i		
1		NAME	DATE
1	DRAW		
1	DESIGN		
1			
1	CHECK		
1	APPRV		
1	LINI FOR OTHERWISE	ODEOLEIED DIME	NOIGH ADE IN MA
1	UNLESS OTHERWISE	SPECIFIED DIME	ENSION ARE IN MM
1	PROJECT NAME	APOLO	ROCKET
4	PART NAME	ASSEMBL	Y DESIGN
4			
1	PART NO	ASSE	MBLY
1	MATERIAL	MC L	나이론
1	FINIOU	= T1:	=L=1x
1	FINISH	노성(	(락카)
1	QTY	16	ĒΑ
1	Delivery date	19.0	2.19
1	Delivery date	19.0	2.15
1	SIZE	Д	.3
1		TOLERANCE	
1	0.		± 0.1
1	0.0		± 0.08
4	0,0		- 0,00

#### NOTE(GENERAL)

± 0.05

± 0,01

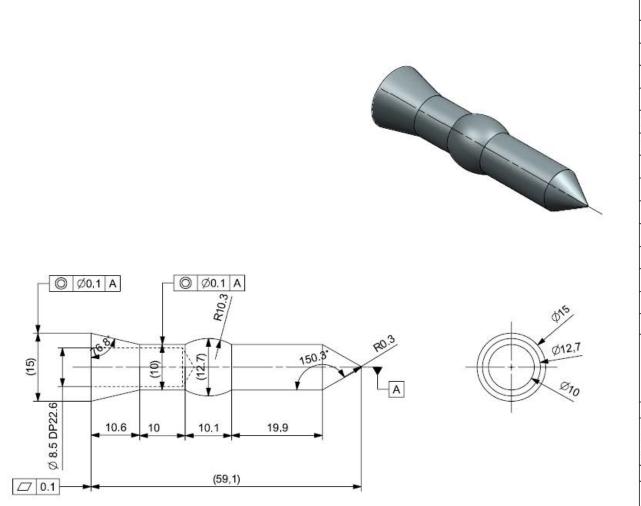
- 1.GENERAL CHAMFER: C0.3(MAX)
- 2.GENERAL ROUND : R0.5(MAX)
- 3.GENERAL SURFACE: 6.3S

0.00

0,000

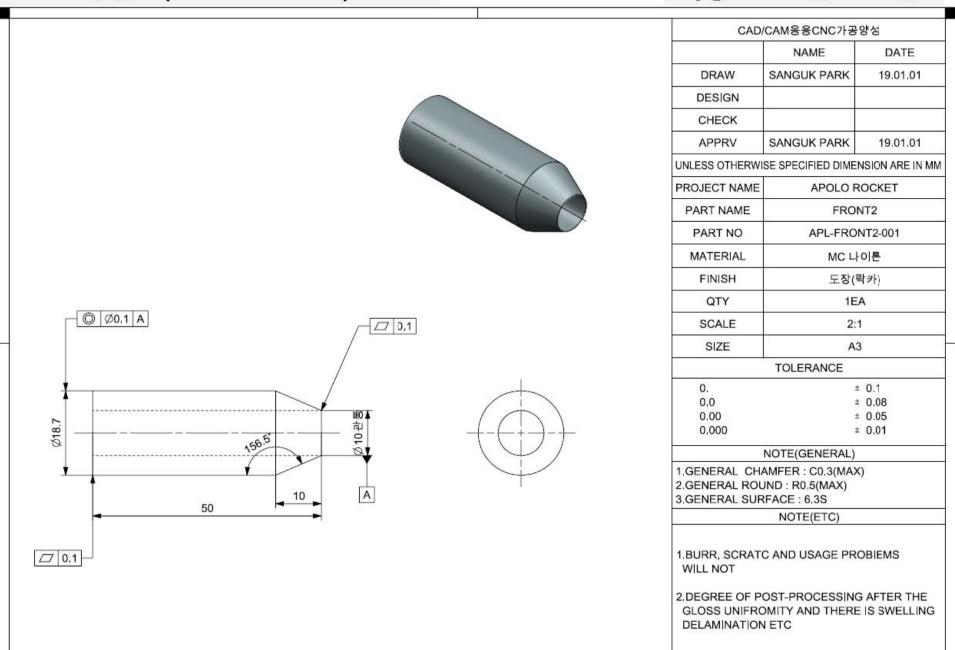
#### NOTE(ETC)

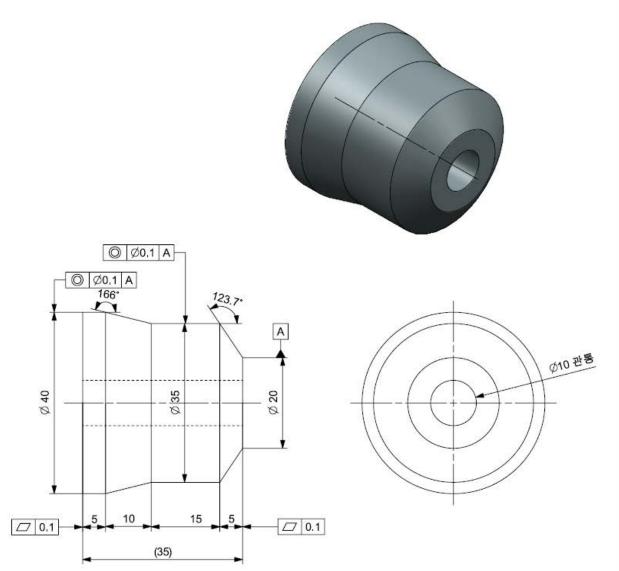
- 1.BURR, SCRATC AND USAGE PROBIEMS WILL NOT
- 2,DEGREE OF POST-PROCESSING AFTER THE GLOSS UNIFROMITY AND THERE IS SWELLING DELAMINATION ETC
- Displays the part chart except the pins that are assembled



CAD	CAM응용CNC가공	양성
	NAME	DATE
DRAW	SANGUKPARK	19.01.01
DESIGN		2
CHECK	SEOJUN LEE	19,01,02
APPRV	SANGUK PARK	19.01.02
UNLESS OTHERW	SE SPECIFIED DIMEN	ISION ARE IN MM
PROJECT NAME	APOLO R	OCKET
PART NAME	FRON	IT1
PART NO	IO APL-FRONT-001	
MATERIAL	MC 나이론	
FINISH	도장(락카)	
QTY 1EA		4
SCALE 2:1		
SIZE	A3	*
	TOLERANCE	
0. 0,0 0.00 0.000	± ±	0.1 0.08 0.05 0.01
	NOTE(GENERAL)	30
1.GENERAL CH 2.GENERAL ROU 3.GENERAL SUF	AMFER : C0.3(MAX JND : R0.5(MAX)	)
	NOTE(ETC)	

- 1.BURR, SCRATC AND USAGE PROBLEMS WILL NOT
- 2,DEGREE OF POST-PROCESSING AFTER THE GLOSS UNIFROMITY AND THERE IS SWELLING DELAMINATION ETC

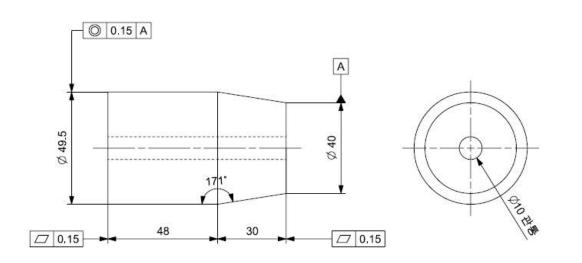




CAD	/CAM응용CNC가공영	양성
	NAME	DATE
DRAW	SANGUK PARK	19.01.01
DESIGN		
CHECK		
APPRV	SANGUK PARK	19.01.02
UNLESS OTHERW	SE SPECIFIED DIMEN	ISION ARE IN MM
PROJECT NAME	APOLO R	OCKET
PART NAME	FRON	IT3
PART NO	APL-FRON	IT3-001
MATERIAL	MC 나이론	
FINISH	도장(락카)	
QTY	1EA	
SCALE 2:1		
SIZE	A3	
	TOLERANCE	
0. 0.0 0.00	±	0.1 0.08 0.05
0.000 ± 0.01		
	NOTE(GENERAL)	
1.GENERAL CH 2.GENERAL ROU 3.GENERAL SUF		
	NOTE(ETC)	

- 1.BURR, SCRATC AND USAGE PROBIEMS WILL NOT
- 2,DEGREE OF POST-PROCESSING AFTER THE GLOSS UNIFROMITY AND THERE IS SWELLING DELAMINATION ETC



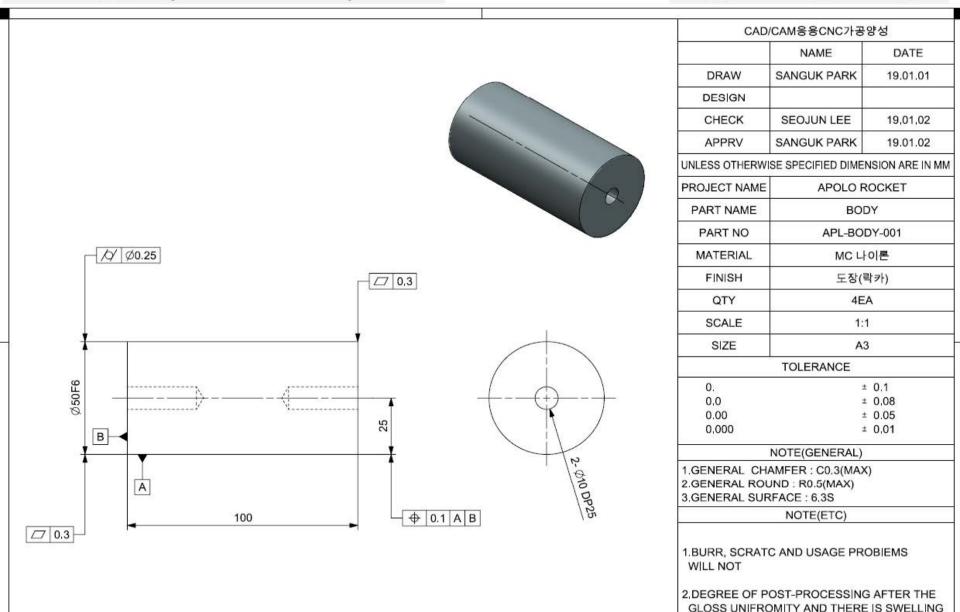


CAD	/CAM응용CNC가공영	양성
	NAME	DATE
DRAW	SANGUK PARK	19.01.01
DESIGN		
CHECK		
APPRV	SANGUK PARK	19.01.02
UNLESS OTHERW	ISE SPECIFIED DIMEN	ISION ARE IN MM
PROJECT NAME	APOLO RO	OCKET
PART NAME	FRON	IT4
PART NO	APL-FRON	IT4-001
MATERIAL	MC 나	이론
FINISH	도장(릭	t₱ト)
QTY	1E <i>A</i>	
SCALE	1:1	
SIZE	A3	
	TOLERANCE	
0.	±	0.1
0,0	±	0.08
0.00	±	0.05
0.000	±	0.01
	NOTE(GENERAL)	
1.GENERAL CH	AMFER : C0,3(MAX)	í
2.GENERAL ROL	JND : R0.5(MAX)	
3.GENERAL SUF		
	NOTE(ETC)	

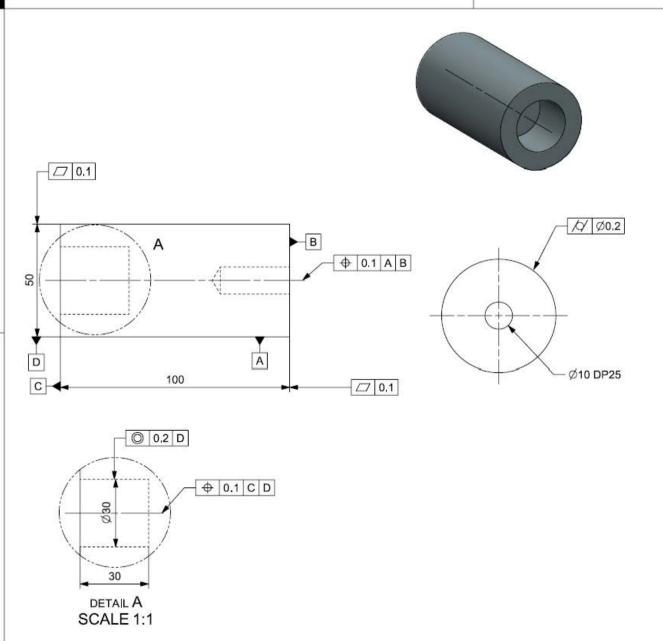
- 1.BURR, SCRATC AND USAGE PROBIEMS WILL NOT
- 2,DEGREE OF POST-PROCESSING AFTER THE GLOSS UNIFROMITY AND THERE IS SWELLING DELAMINATION ETC

#### 사용프로그램: NX8.5

DELAMINATION ETC



#### 사용프로그램: NX8.5



	NAME	DATE
DRAW	SANGUK PARK	19.01.01
DESIGN		
CHECK	DAEKYU LEE	19,01,02
APPRV	SANGUK PARK	19.01.02

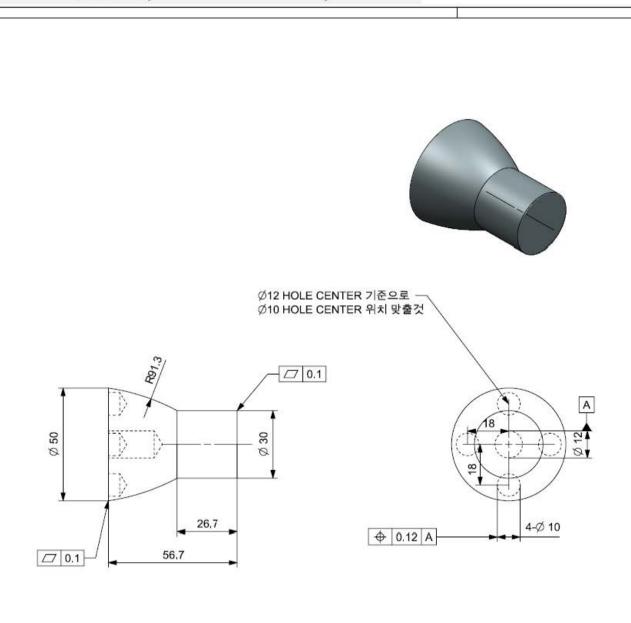
PROJECT NAME	APOLO ROCKET
PART NAME	BODY FINAL
PART NO	APL-BODY FINAL-001
MATERIAL	MC 나이론
FINISH	도장(락카)
QTY	1EA
SCALE	1:1
SIZE	A3
	-1-2

0.	± 0.1
0.0	± 0,08
0.00	± 0.05
0.000	± 0,01

TOLERANCE

- 1.BURR, SCRATC AND USAGE PROBIEMS
  WILL NOT
- 2,DEGREE OF POST-PROCESSING AFTER THE GLOSS UNIFROMITY AND THERE IS SWELLING DELAMINATION ETC

#### 사용프로그램: NX8.5



NAME SANGUK PARK	DATE
SANGUK PARK	
SANGOKTAKK	19.01.01
SANGUK PARK	19.01.02
SE SPECIFIED DIMEN	ISION ARE IN MM
PROJECT NAME APOLO ROCKET	
BOOS	ΓER
APL-BOOS	TER-001
MC 나이론	
도장(락카)	
QTY 1EA	
1:1	
A3	
TOLERANCE	
0. ± 0.1	
0,0 ± 0,08	
± 0.05	
± 0.01	
NOTE(GENERAL)	
AMFER : C0.3(MAX) JND : R0.5(MAX) RFACE : 6.3S	) :
	SANGUK PARK SE SPECIFIED DIMEN APOLO RO BOOS APL-BOOS MC LO EST (= 1:1 A3 TOLERANCE  NOTE(GENERAL) AMFER: C0.3(MAX) JND: R0.5(MAX)

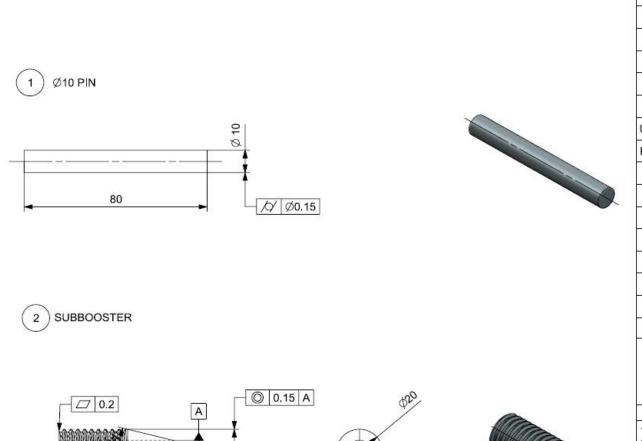
- 1.BURR, SCRATC AND USAGE PROBIEMS
  WILL NOT
- 2,DEGREE OF POST-PROCESSING AFTER THE GLOSS UNIFROMITY AND THERE IS SWELLING DELAMINATION ETC

NOTE(ETC)

M20XP3.0X30L

□ 0.1

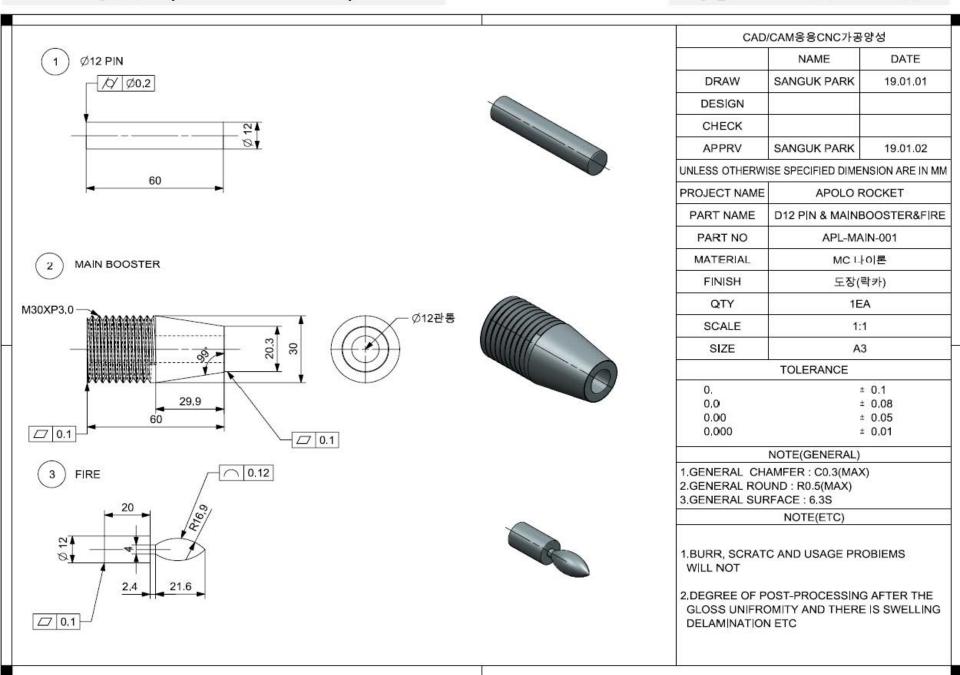
#### 사용프로그램: NX8.5

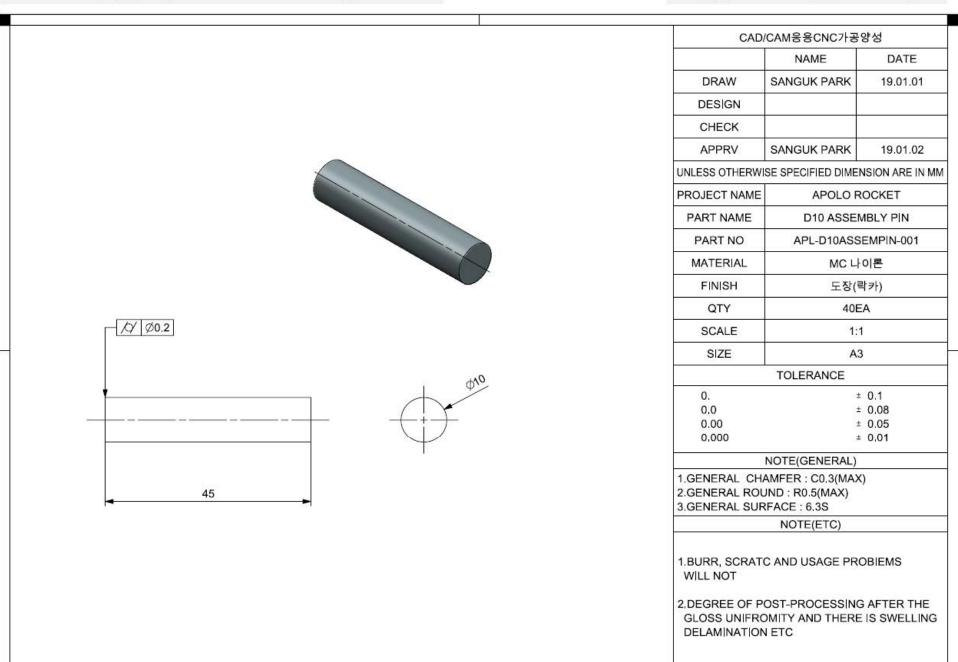


	NAME	DATE
DRAW	SANGUK PARK	19.01.01
DESIGN		
CHECK		
APPRV	SANGUK PARK	19.01.02
UNLESS OTHERWI	SE SPECIFIED DIMEN	ISION ARE IN MA
PROJECT NAME	APOLO R	OCKET
PART NAME	D10 PIN & SUE	BOOSTER
PART NO	APL-SUBOO	STER-001
MATERIAL	MC 나이론	
FINISH	도장(락카)	
QTY	4EA	١
SCALE	1:1	
SIZE	АЗ	
752	TOLERANCE	
0.	±	0.1
0.0	±	0.08
0.00	± 0.05	
0,000	±	0.01
W.	NOTE(GENERAL)	
1.GENERAL CHA 2.GENERAL ROL	AMFER : C0.3(MAX)	Ĝ.

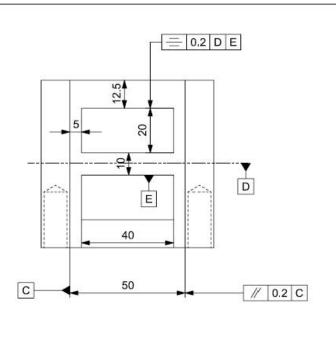
- 1.BURR, SCRATC AND USAGE PROBIEMS WILL NOT
- 2,DEGREE OF POST-PROCESSING AFTER THE GLOSS UNIFROMITY AND THERE IS SWELLING DELAMINATION ETC

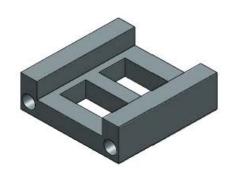
NOTE(ETC)

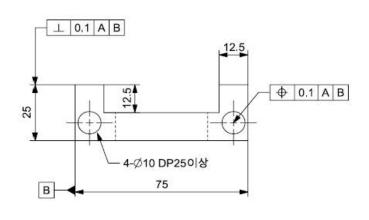


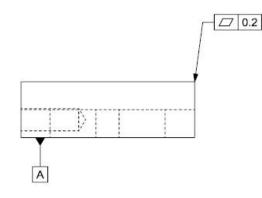


### 사용프로그램: NX8.5









CA	D/CAM응용CNC가공영	2.9
	NAME	DATE
DRAW	SANGUK PARK	19.01.01
DESIGN		
CHECK	DAEKYU LEE	19,01,02
APPRV	SANGUK PARK	19.01.02

0.0

0.00

0,000

PROJECT NAME	APOLO ROCKET
PART NAME	BASE
PART NO	APL-BASE-001
MATERIAL	MC 나이론
FINISH	도장(락카)
QTY	1EA
SCALE	1:1
SIZE	A3
TO	DLERANCE

± 0.1

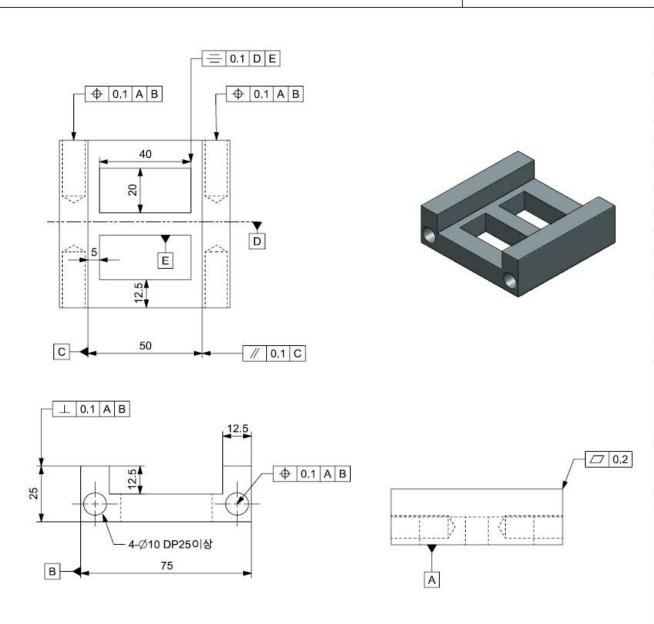
± 0.08 ± 0.05

± 0,01

#### NOTE(GENERAL)

- 1 GENERAL CHAMFER: C0.3(MAX)
- 2.GENERAL ROUND: R0.5(MAX)
- 3.GENERAL SURFACE: 6.3S
  - NOTE(ETC)
- 1.BURR, SCRATC AND USAGE PROBIEMS WILL NOT
- 2.DEGREE OF POST-PROCESSING AFTER THE GLOSS UNIFROMITY AND THERE IS SWELLING DELAMINATION ETC

#### 사용프로그램: NX8.5



	NAME	DATE
DRAW	SANGUK PARK	19.01.01
DESIGN		
CHECK	DAEKYU LEE	19,01,02
APPRV	SANGUK PARK	19.01.02
UNLESS OTHERW	ISE SPECIFIED DIMEN	ISION ARE IN MI
PROJECT NAME	APOLO ROCKET	
PART NAME	BASE	
PART NO	APL-BASE-002	
MATERIAL	MC 나이론	
FIN SH	도장(락카)	
QTY	4EA	
SCALE	1:1	
SIZE	A3	
, in the second	TOLERANCE	
0.	± 0.1	
0.0	± 0,08	
0.00	± 0.05	
0.000	±	0.01
	NOTE(GENERAL)	
	AMFER : C0.3(MAX) JND : R0.5(MAX)	)

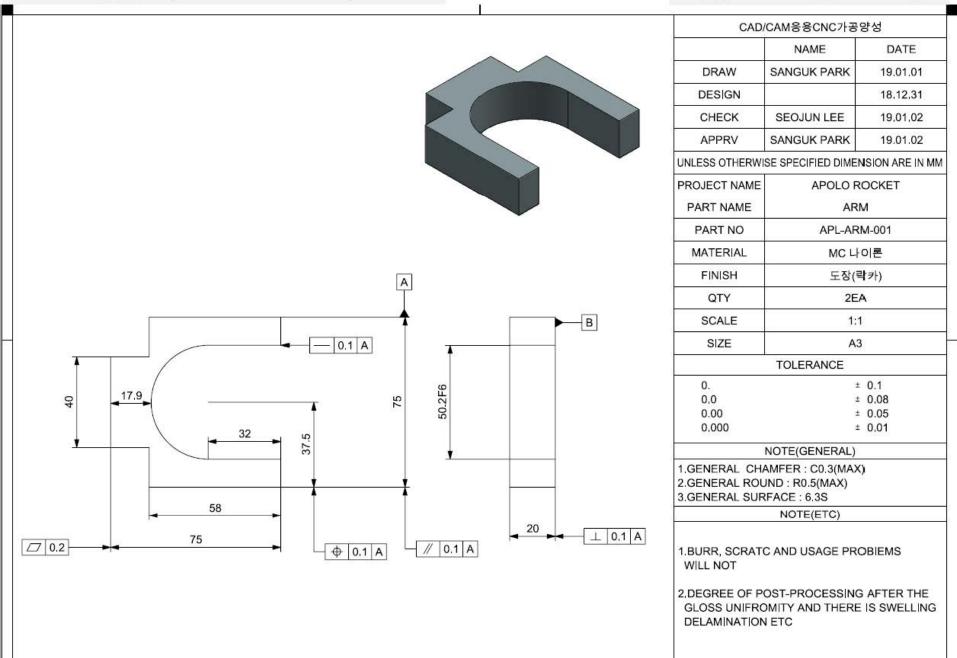
NOTE(ETC)

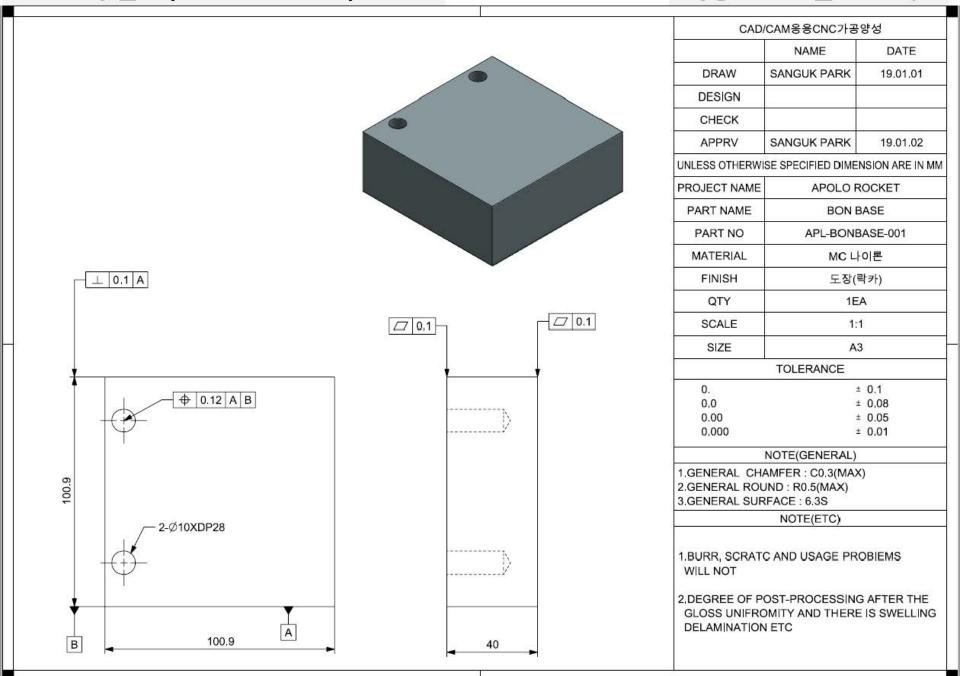
2.DEGREE OF POST-PROCESSING AFTER THE GLOSS UNIFROMITY AND THERE IS SWELLING

1.BURR SCRATC AND USAGE PROBIEMS

WILL NOT

**DELAMINATION ETC** 

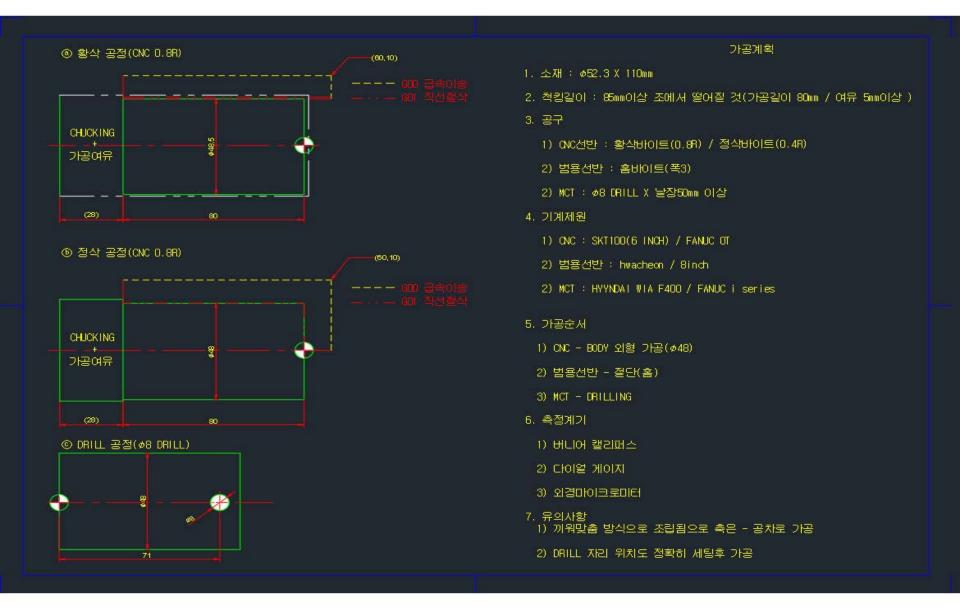






# 가공 공정계획

#### 가공 공정 계획 분야



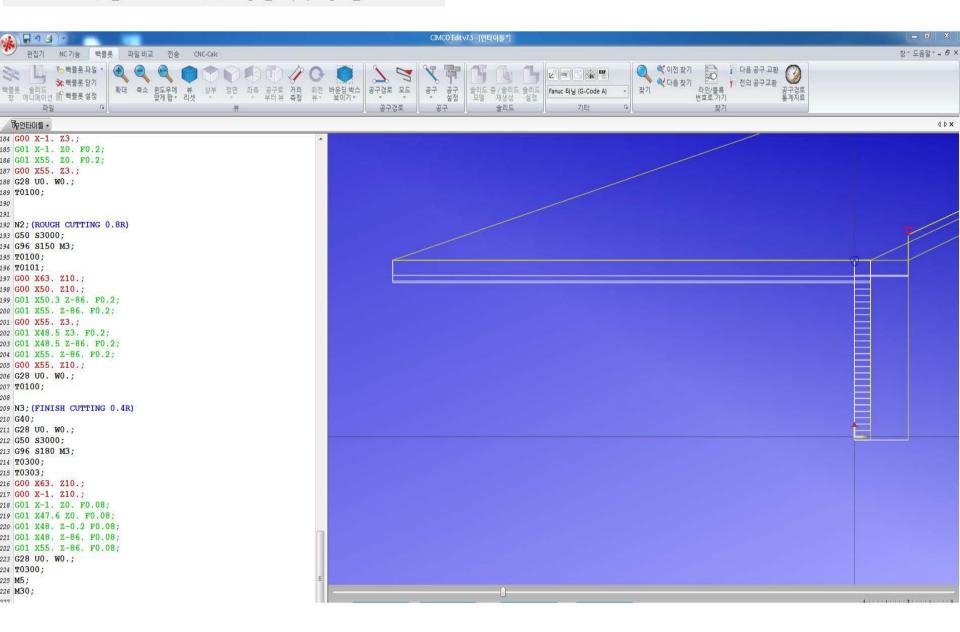


# 프로그래밍

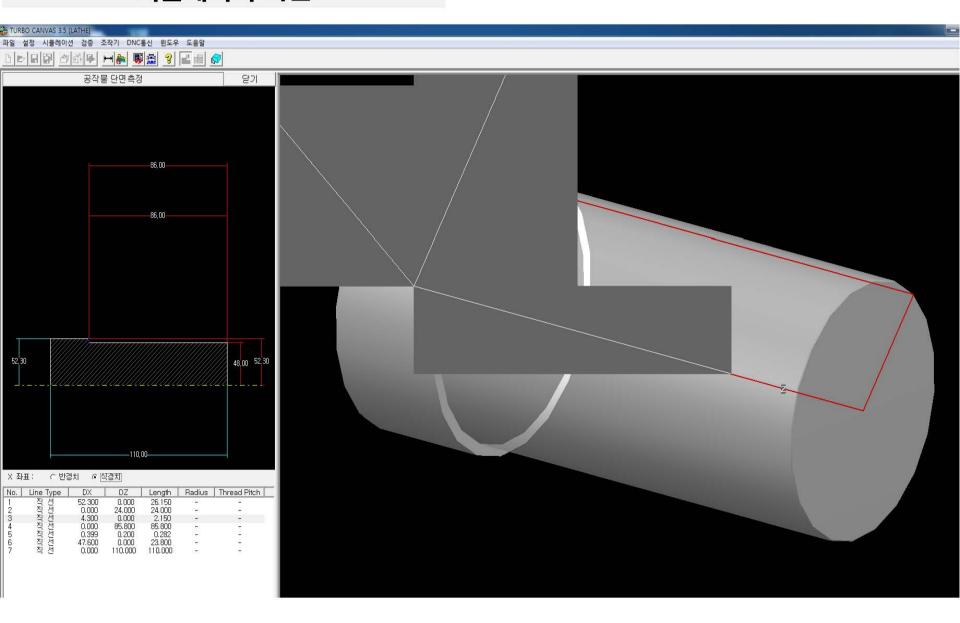
&

검증분야

#### 가공프로그램 작성 및 수정



#### 시뮬레이터 확인





가공 결과물

## 18 CAD/CAM등용CNC



DESIGN BY SANGUK PARK