

견 적 서

1부

見 積 書

貴中

아래와 같이 見積書を 提出합니다.

2021年 02月 19日

수신 : .

TEL :

FAX :

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금 액		一金 육억오천칠백팔십만 원 (₩657,800,000) 부가가치세 별도					
공 사 명	표면처리 공정 자동화	특 기 사 항					
납 기	계약후 180일						
대금 지불 방법	귀사 결재 조건						
설 치 장 소	귀사 도						
견적 유효 기간	30 일						
NO	품 명	규 격	수량	단위	단 가	금 액	비 고
	A. Robot Part						
1	6축 다관절 Robot	HH8	2	대	28,000,000	56,000,000	현대
2	직교 좌표Robot	RJ210,RS175	12	대	1,600,000	19,200,000	로보스타
3	6축 다관절 Robot Gripper	제작품	2	식	1,200,000	2,400,000	
4	좌표 Robot Gripper	제작품	20	식	600,000	12,000,000	
5	Vision System	FH-2050	2	식	9,400,000	18,800,000	OMRON
6	로봇티칭,시뮬레이션		2	대	7,000,000	14,000,000	
					소 계	122,400,000	
	B. Machinery Part						
7	엠펙체결 턴테이블	제작품	1	식	26,500,000	26,500,000	
8	픽쳐 로딩,언로딩	제작품	1	식	69,700,000	69,700,000	
9	토크 체결시스템	제작품	1	식	61,500,000	61,500,000	
10	자동체결 턴테이블	제작품	1	식	27,700,000	27,700,000	
11	컨넥터 로딩 & 매거진	제작품	1	식	42,000,000	42,000,000	
12	픽쳐 로딩 & 매거진	제작품	1	식	23,000,000	23,000,000	
13	토크 체결시스템	제작품	1	식	46,300,000	46,300,000	
14	블라스팅 챔버 & 턴테이블	제작품	1	식	29,100,000	29,100,000	
15	노즐 트랜스퍼 & 분사장치	제작품	1	식	12,900,000	12,900,000	
16	더스트 콜렉터 & 서브탱크	제작품	1	식	8,600,000	8,600,000	
					소 계	347,300,000	
	C. Control Part						

17	제어판넬 (PLC , 차단기 등)	제작품	1	식	53,200,000	53,200,000	
18	조작반 & 기내배선	제작품	1	식	21,000,000	21,000,000	
					소 계	74,200,000	
	D. Safety Part						
19	안전펜스	제작품	1	식	5,000,000	5,000,000	
20	도어락,안전PLC		6	SET	850,000	5,100,000	
					소 계	10,100,000	
	E. 로봇 운반 및 설치비						
21	로봇 운반비		1	식	500,000	500,000	
22	로봇 설치비 (자재포함)		1	식	10,300,000	10,300,000	
					소 계	10,800,000	
	F. 인건비 & 설치 시운전						
23	기구설계 & 도면제작		87	M/D	250,000	21,750,000	
24	S/W 프로그래밍 & 작화		95	M/D	250,000	23,750,000	
25	조립,설치,시운전		190	M/D	250,000	47,500,000	
					소 계	93,000,000	
					합 계	657,800,000	
합 계						657,800,000	
비 고							

견적 내역서

PART UNIT :

단위 : (원)

NO	품 명	규 격	MAKER	수량	단위	단가	금액
1	FRAME & COVER PART			1	식		
1)	하부 FRAME	1400*1800*630	A 6061	1	EA	750,000	750,000
2)	상부 FRAME	1400*1800*1150	A 6061	1	EA	800,000	800,000
3)	BASE PLATE		SS 41	1	EA	2,200,000	2,200,000
4)	상부COVER		A 6061	1	식	800,000	800,000
5)	하부COVER		A 6061	1	식	120,000	120,000
6)	FOOT PLATE		SS 41	4	EA	35,000	140,000
7)	HEPA FILTER	0.3μ	하영 ENG	1	EA	1,000,000	1,000,000
9)	F.R.L	AC40-04-A	S M C	1	EA	68,000	68,000
10)	CASTER	AC1300F	JI-DUK	4	EA	23,000	92,000
11)	기타 가공비			1	식	1,200,000	1,200,000
12)	기타 구매품비			1	식	500,000	500,000
13)	후처리			1	식	600,000	600,000
	소 계						8,270,000
2	TURN TABLE PART			1	식		
1)	FIX' PLATE		A 6061	4	EA	23,000	92,000
2)	MAIN BASE PLATE		A 6061	1	EA	450,000	450,000
3)	SUPPORT PLATE		A 6061	4	EA	34,000	136,000
4)	TABLE FIX' PLATE		A 6061	2	EA	45,000	90,000
5)	TURN TABLE		A 6061	1	EA	650,000	650,000
6)	TURN TABLE HOUSING		SS 41	1	EA	250,000	250,000
7)	JIG GUIDE		A 6061	16	EA	40,000	640,000
8)	BEARING HOUSING		A 6061	16	EA	65,000	1,040,000
9)	DRIVE SHAFT		SKD 11	16	EA	75,000	1,200,000
10)	DRIVE GEAR		SM 45C	24	EA	38,000	912,000
11)	CONNECT HOUSING		SKD 11	16	EA	52,000	832,000
12)	FIX' PLATE		A 6061	6	EA	26,000	156,000
13)	SUPPORT PLATE		A 6061	6	EA	35,000	210,000
14)	FIX' BASE PLATE		A 6061	3	EA	43,000	129,000
15)	CYLINDER FIX' PLATE		A 6061	6	EA	35,000	210,000
16)	FEEDING PLATE		A 6061	6	EA	55,000	330,000
17)	BEARING HOUSING		SM 45C	12	EA	35,000	420,000
18)	DRIVE SHAFT		SM 45C	12	EA	30,000	360,000
19)	SET COLLAR		SM 45C	24	EA	15,000	360,000
20)	INDEX(MOTOR포함)	CF470F-0427-2R1	DAE DONG	1	EA	1,950,000	1,950,000
		RWS1VW					
21)	STEPPING MOTOR	A35K-M566-G5	AUTONICS	3	EA	145,000	435,000
22)	AMP	JM-SD3UL	JMC	3	EA	83,000	249,000

23)	FIBER SENSOR	FU-49/FS-N11N	KEYENCE	8	SET	135,000	1,080,000
24)	AIR CYLINDER	MXQ12-50AT-M9B	S M C	2	EA	306,000	612,000
25)	AIR CYLINDER	CDQSB25-10DM-M9B	S M C	3	EA	58,000	174,000
26)	SOL' V/V	SY3220-5LZ-C6	S M C	5	EA	43,000	215,000
27)	기타 가공비			1	식	4,000,000	4,000,000
28)	기타 구매품비			1	식	1,500,000	1,500,000
29)	후처리			1	식	1,000,000	1,000,000
	소 계						19,682,000
3	CONNECTOR LOADER & MAGAZINE PART			2	식		
1)	FRAME	DF3030	AL	2	SET	220,000	440,000
2)	FOOT PLATE		A 6061	4	EA	65,000	260,000
3)	FRAME FIX' PLATE		A 6061	4	EA	83,000	332,000
4)	LIVER		A 6061	8	EA	26,000	208,000
5)	SUPPORT PLATE		A 6061	16	EA	16,000	256,000
6)	BEARING HOUSING		A 6061	16	EA	23,000	368,000
7)	DRIVE SHAFT		SM 45C	8	EA	38,000	304,000
8)	IDLE PIN		SM 45C	6	EA	26,000	156,000
9)	TIMMING PULLEY		A 6061	8	EA	45,000	360,000
10)	CHAIN GUIDE		아세탈	16	EA	28,000	448,000
11)	CHAIN SPROCKET		SM 45C	16	EA	35,000	560,000
12)	ATTACHMENTS BRACKET		SS 41	200	EA	26,000	5,200,000
13)	JIG GUIDE		아세탈	100	EA	43,000	4,300,000
14)	JIG FEEDING GUIDE		아세탈	4	EA	40,000	160,000
15)	BEARING HOUSING		A 6061	8	EA	55,000	440,000
16)	TENSION HOUSING		A 6061	8	EA	33,000	264,000
17)	TENSION SHAFT		SM 45C	8	EA	25,000	200,000
18)	MOTOR BRACKET		A 6061	2	EA	36,000	72,000
19)	CONNECTOR CHUCK		SKD 11	16	EA	75,000	1,200,000
20)	DIRVE MOTOR	S9R60GBH-ES12	S P G	2	EA	95,000	190,000
21)	GEAR HEAD	S9KC90BH	S P G	2	EA	62,000	124,000
22)	SPEED CONTROL PACK	SRB-02	S P G	2	EA	45,000	90,000
23)	전동 ACTUATOR	LEFSH32NZB-300-CN	S M C	2	EA	1,230,000	2,460,000
24)	SERVO MOTOR	HF-KR23B	MITSUBISHI	2	EA	380,000	760,000
25)	DRIVE	MR-J4-20B	MITSUBISHI	2	EA	345,000	690,000
26)	REDUCER	PGX62-H-1/10	흥진 ATG	2	EA	230,000	460,000
27)	BALL SCREW	FSBW1404A-450	A M T	2	EA	285,000	570,000
28)	LM GUIDE	MSC15LMUU+480	A M T	4	EA	62,000	248,000
29)	RODLESS CYLINDER	MY3B25-550L-M9B	S M C	1	EA	256,000	256,000
30)		MY1B25-200LZ-M9B	S M C	2	EA	225,000	450,000
31)	AIR CYLINDER	CDQSB25-40DM-M9B	S M C	2	EA	78,000	156,000
32)	TABLE CYLINDER	MXQ20A-50ZF-M9B	S M C	1	EA	290,000	290,000

33)	GUIDE CYLINDER	MGPM12-15Z-M9B	S M C	8	EA	115,000	920,000
34)		MGPM12-75Z-M9B	S M C	8	EA	128,000	1,024,000
35)	AIR CHUCK	MHZL2-16D-M9B	S M C	8	EA	178,000	1,424,000
36)	SOL V/V	SY3220-5LZ-C6	S M C	30	EA	43,000	1,290,000
37)	LM GUIDE	MSB15SSS+160	S M C	8	EA	38,000	304,000
38)	ATTACHMENTS CHAIN	# RS40AT-1300	DONG BO	8	EA	180,000	1,440,000
39)	POWER LOCK	MAD12*26	DURI	12	EA	7,500	90,000
40)	TIMMING BELT	270L 050 W:22	WOORYANG	4	EA	26,000	104,000
41)	TIMMING BELT	350L 050 W:22	WOORYANG	4	EA	32,000	128,000
42)	BALL BEARING	# 6802	K B C	24	EA	1,000	24,000
43)	BALL BEARING	# 6002 ZZ	K B C	32	EA	1,500	48,000
44)	FIBER SENSOR	FU-49/FS-N11N	KEYENCE	8	SET	135,000	1,080,000
45)	기타 가공비			1	식	8,000,000	8,000,000
46)	기타 구매품비			1	식	2,500,000	2,500,000
47)	후처리			1	식	1,500,000	1,500,000
	소 계						42,148,000
4	FIXTURE LOADER & MAGAZINE PART			2	식		
1)	LOADER FRAME		SS 41	4	EA	250,000	1,000,000
2)	LOADER BASE		SS 41	4	EA	120,000	480,000
3)	FIX' PLATE		A 6061	4	EA	250,000	1,000,000
4)	CYLINDER FIX BRACKET		A 6061	4	EA	42,000	168,000
5)	LIVER		A 6061	4	EA	26,000	104,000
6)	MOVING PLATE		A 6061	4	EA	33,000	132,000
7)	GUIDE HOUSING		A 6061	8	EA	42,000	336,000
8)	ACTUATOR BRACKET		A 6061	8	EA	30,000	240,000
9)	FEEDING BRACKET		A 6061	8	EA	36,000	288,000
10)	CHUCK BRACKET		SM 45C	8	EA	25,000	200,000
11)	FIXTURE CHUCK		티타늄	8	EA	120,000	960,000
12)	FOOT PLATE		A 6061	4	EA	30,000	120,000
13)	SUPPORT PLATE		A 6061	4	EA	45,000	180,000
14)	CYLINDER FIX' PLATE		A 6061	2	EA	52,000	104,000
15)	FEEDING PLATE		A 6061	2	EA	20,000	40,000
16)	UP DOWN PLATE		A 6061	2	EA	36,000	72,000
17)	JIG GUIDE PLATE		A 6061	4	EA	56,000	224,000
18)	JIG CHUCK		A 6061	4	EA	65,000	260,000
19)	전동 ACTUATOR	LEFSH32NZB-300-CN	S M C	2	EA	1,230,000	2,460,000
20)	SERVO MOTOR	HF-KR23B	MITSUBISHI	2	EA	380,000	760,000
21)	DRIVE	MR-J4-20B	MITSUBISHI	2	EA	345,000	690,000
22)	REDUCER	PGX62-H-1/10	흥진 ATG	2	EA	230,000	460,000
23)	DRIVE MOTOR	S9R40GB-ES12	S P G	2	EA	86,000	172,000
24)	REDUCER	S9KB20B	S P G	2	EA	62,000	124,000

25)	SPEED CONTROL PACK	SRB-02	S P G	2	EA	45,000	90,000
26)	RODLESS CYLINDER	MY1B25-200LZ-M9B	S M C	2	EA	225,000	450,000
27)	GUIDE CYLINDER	MGJ10-20-M9B	S M C	2	EA	95,000	190,000
28)	GUIDE CYLINDER	MXQ16-100AT-M9B	S M C	2	EA	290,000	580,000
28)	GUIDE CYLINDER	MXQ8A-30AT-M9B	S M C	2	EA	215,000	430,000
29)	AIR CHUCK	MHS2-25D-M9B	S M C	4	EA	195,000	780,000
30)	RODLESS CYLINDER	CY1S15-150BZ-M9B	S M C	2	EA	250,000	500,000
31)	AIR CHUCK	MHF2-20D-M9B	S M C	2	EA	255,000	510,000
32)	REGULATOR	IR2010-02BG	S M C	4	EA	65,000	260,000
33)	PRESSURE SENSOR	ISE30-01-25LB	S M C	4	EA	73,000	292,000
34)	SOL V/V	SY3220-5LZ-C6	S M C	16	EA	43,000	688,000
35)	BALL SCREW	FSBW1404A-500	A M T	2	EA	225,000	450,000
36)	LM GUIDE	MSB15S2SS+520	A M T	4	EA	62,000	248,000
37)	FIBER SENSOR	FU-49/FS-N11N	KEYENCE	12	SET	135,000	1,620,000
38)	기타 가공비			1	식	3,000,000	3,000,000
39)	기타 구매품비			1	식	1,500,000	1,500,000
40)	후처리			1	식	1,000,000	1,000,000
	소 계						23,162,000
5	TORQUE DRIVE PART			1	식		
1)	FOOT PLATE		A 6061	2	EA	30,000	60,000
2)	SUPPORT PLATE		A 6061	2	EA	45,000	90,000
3)	CYLINDER FIX' PLATE		A 6061	1	EA	52,000	52,000
4)	SLIDE TABLE		A 6061	1	EA	38,000	38,000
5)	LOCKING CHUCK		SM 45C	4	EA	32,000	128,000
6)	MOTOR BRACKET		A 6061	4	EA	44,000	176,000
7)	BEARING HOUSING		A 6061	4	EA	62,000	248,000
8)	DRIVE SHAFT		SM 45C	4	EA	45,000	180,000
9)	SHAFT		SM 45C	4	EA	20,000	80,000
10)	CHUCK BRACKET		SM 45C	8	EA	25,000	200,000
11)	CONNECTOR CHUCK		티타늄	8	EA	120,000	960,000
12)	SERVO MOTOR	HF-KR053B	mitsubishi	4	EA	380,000	1,520,000
13)	DRIVE	MR-J4-10B	mitsubishi	4	EA	345,000	1,380,000
14)	REDUCER	PGX44-H-1/10	흥진 ATG	4	EA	230,000	920,000
15)	TABLE CYLINDER	MXQ16A-100ZF-M9B	S M C	1	EA	293,000	293,000
16)		MXQ12A-20ZE-M9B	S M C	2	EA	345,000	690,000
17)	AIR CHUCK	MHS2-25D-M9B	S M C	4	EA	195,000	780,000
18)	AIR CYLINDER	MXQ12-50AT	S M C	2	EA	306,000	612,000
19)	BALL SCREW	FSBW1404A-130	A M T	4	EA	225,000	900,000
20)	LM GUIDE	MSC15LMUU+150	A M T	8	EA	43,000	344,000
21)	AIR CYLINDER	MXQ12-50AT	S M C	4	EA	306,000	1,224,000
22)	REGULATOR	IR2010-02BG	S M C	4	EA	65,000	260,000

23)	PRESSURE SENSOR	ISE30-01-25LB	S M C	4	EA	73,000	292,000
24)	SOL V/V	SY3220-5LZ-C6	S M C	12	EA	43,000	516,000
37)	FIBER SENSOR	FU-49/FS-N11N	KEYENCE	8	SET	135,000	1,080,000
25)	기타 가공비			1	식	2,000,000	2,000,000
26)	기타 구매품비			1	식	1,000,000	1,000,000
27)	후처리			1	식	500,000	500,000
	소 계						16,523,000
6	TORQUE DRIVE & UNLOADER PART			1	식		
1)	FOOT PLATE		A 6061	2	EA	30,000	60,000
2)	SUPPORT PLATE		A 6061	2	EA	45,000	90,000
3)	CYLINDER FIX' PLATE		A 6061	1	EA	52,000	52,000
4)	SLIDE TABLE		A 6061	1	EA	38,000	38,000
5)	FIX' PLATE		A 6061	4	EA	42,000	168,000
6)	SUPPORT BRACKET		A 6061	8	EA	53,000	424,000
7)	FIX' PLATE		A 6061	8	EA	43,000	344,000
8)	SIDE SUPPORT PLATE		A 6061	8	EA	82,000	656,000
9)	CONVEYOR FRAME		A 6061	4	EA	125,000	500,000
10)	BEARING HOUSING		A 6061	8	EA	23,000	184,000
11)	DRIVE SHAFT		SM 45C	4	EA	38,000	152,000
12)	IDLE PIN		SM 45C	3	EA	29,000	87,000
13)	TIMMING PULLEY		A 6061	2	EA	45,000	90,000
14)	CHAIN GUIDE		SM 45C	8	EA	43,000	344,000
15)	CHAIN SPROCKET	# RS40 18T	SM 45C	4	EA	35,000	140,000
16)	ATTACHMENTS BRACKET		SS 41	14	EA	18,000	252,000
17)	JIG TABLE		SS 41	14	EA	52,000	728,000
18)	LOCK BLOCK		SKD 11	4	EA	120,000	480,000
19)	CONNECTOR HOUSING		SM 45C	56	EA	25,000	1,400,000
20)	CONNECTOR CHUCK		SKD 11	16	EA	75,000	1,200,000
21)	전동 ACTUATOR	LEFSH32NZB-250-CN	S M C	1	EA	1,230,000	1,230,000
22)	RODLESS CYLINDER	MY1B25-200LZ-M9B	S M C	1	EA	225,000	225,000
23)	AIR CYLINDER	MXQ12-50AT	S M C	6	EA	306,000	1,836,000
24)	AIR CHUCK	MHZL2-16D-M9B	S M C	8	EA	178,000	1,424,000
25)		MHS2-25D-M9B	S M C	8	EA	195,000	1,560,000
26)	REGULATOR	IR2010-02BG	S M C	4	EA	65,000	260,000
27)	PRESSURE SENSOR	ISE30-01-25LB	S M C	4	EA	73,000	292,000
28)	SOL V/V	SY3220-5LZ-C6	S M C	20	EA	43,000	860,000
29)	SERVO MOTOR	HF-KR053B	MITSUBISHI	4	EA	380,000	1,520,000
30)		HF-KP23	MITSUBISHI	1	EA	380,000	380,000
31)	DRIVE	MR-J4-10B	MITSUBISHI	4	EA	345,000	1,380,000
32)		MR-J4-20B	MITSUBISHI	1	EA	345,000	345,000
33)	REDUCER	PGX44-H-1/10	흥진	4	EA	230,000	920,000

34)		PGX62-H-1/10	흥진	1	EA	230,000	230,000
35)	DIRVE MOTOR	S9R60GBH-ES12	S P G	1	EA	95,000	95,000
36)	GEAR HEAD	S9KC90BH	S P G	1	EA	62,000	62,000
37)	SPEED CONTROL PACK	SRB-02	S P G	1	EA	45,000	45,000
38)	ATTACHMENTS CHAIN	# RS40AT-1600	DONG BO	2	EA	200,000	400,000
39)	BALL SCREW	FSBW1404A-130	A M T	4	EA	225,000	900,000
40)	LM GUIDE	MSC15LMUU+150	A M T	8	EA	43,000	344,000
41)	FIBER SENSOR	FU-49/FS-N11N	KEYENCE	8	SET	135,000	1,080,000
42)	기타 가공비			1	식	4,000,000	4,000,000
43)	기타 구매품비			1	식	2,000,000	2,000,000
44)	후처리			1	식	1,000,000	1,000,000
45)	기구 설계비			40	M/D	200,000	8,000,000
46)	기구 조립비			40	M/D	180,000	7,200,000
47)	설치 및 MANUAL 제작비			15	M/D	200,000	3,000,000
	소 계						47,977,000
	합 계						157,762,000

견적 내역서

PART UNIT :

단위 : (원)

NO	품 명	규 격	MAKER	수량	단위	단가	금액
1	FRAME & COVER PART			1	식		
1)	하부 FRAME	1900*2000*630	A 6061	1	EA	860,000	860,000
2)	상부 FRAME	1900*2000*1150	A 6061	1	EA	940,000	940,000
3)	BASE PLATE		SS 41	1	EA	3,000,000	3,000,000
4)	상부COVER		A 6061	1	식	820,000	820,000
5)	하부COVER		A 6061	1	식	170,000	170,000
6)	FOOT PLATE		SS 41	6	EA	35,000	210,000
7)	HEPA FILTER	0.3μ	하영 ENG	1	EA	950,000	950,000
8)	F.R.L	AC40-04-A	S M C	1	EA	68,000	68,000
9)	CASTER	AC1300F	JI-DUK	6	EA	23,000	138,000
10)	기타 가공비			1	식	800,000	800,000
11)	기타 구매품비			1	식	500,000	500,000
12)	후처리			1	식	600,000	600,000
	소 계						9,056,000
2	TURN TABLE PART			1	식		
1)	FIX' PLATE		A 6061	4	EA	23,000	92,000
2)	MAIN BASE PLATE		A 6061	1	EA	450,000	450,000
3)	SUPPORT PLATE		A 6061	4	EA	34,000	136,000
4)	TABLE FIX' PLATE		A 6061	2	EA	45,000	90,000
5)	TURN TABLE		A 6061	1	EA	650,000	650,000
6)	TURN TABLE HOUSING		SS 41	1	EA	250,000	250,000
7)	JIG GUIDE		A 6061	16	EA	40,000	640,000
8)	BEARING HOUSING		A 6061	16	EA	65,000	1,040,000
9)	DRIVE SHAFT		SKD 11	16	EA	75,000	1,200,000
10)	DRIVE GEAR		SM 45C	24	EA	38,000	912,000
11)	CONNECT HOUSING		SKD 11	16	EA	52,000	832,000
12)	FIX' PLATE		A 6061	6	EA	26,000	156,000
13)	SUPPORT PLATE		A 6061	6	EA	35,000	210,000
14)	FIX' BASE PLATE		A 6061	3	EA	43,000	129,000
15)	CYLINDER FIX' PLATE		A 6061	6	EA	35,000	210,000
16)	FEEDING PLATE		A 6061	6	EA	55,000	330,000
17)	BEARING HOUSING		SM 45C	12	EA	35,000	420,000
18)	DRIVE SHAFT		SM 45C	12	EA	30,000	360,000
19)	SET COLLAR		SM 45C	24	EA	15,000	360,000
20)	INDEX(MOTOR포함)	CF470F-0427-2R1	DAE DONG	1	EA	1,950,000	1,950,000
		RWS1VW					
21)	STEPPING MOTOR	A35K-M566-G5	AUTONICS	3	EA	145,000	435,000
22)	AMP	JM-SD3UL	JMC	3	EA	83,000	249,000

23)	FIBER SENSOR	FU-49/FS-N11N	KEYENCE	8	SET	135,000	1,080,000
24)	AIR CYLINDER	MXQ12-50AT-M9B	S M C	2	EA	306,000	612,000
25)	AIR CYLINDER	CDQSB25-10DM-M9B	S M C	3	EA	58,000	174,000
26)	SOL' V/V	SY3220-5LZ-C6	S M C	5	EA	43,000	215,000
27)	기타 가공비			1	식	3,000,000	3,000,000
28)	기타 구매품비			1	식	1,000,000	1,000,000
29)	후처리			1	식	300,000	300,000
	소 계						17,482,000
3	L/D UNL/D MAGAZINE PART			1	식		
1)	FOOT PLATE	DF3030	AL	2	SET	220,000	440,000
2)	SUPPORT PLATE		A 6061	8	EA	16,000	128,000
3)	BEARING HOUSING		A 6061	8	EA	23,000	184,000
4)	DRIVE SHAFT		SM 45C	4	EA	38,000	152,000
5)	IDLE PIN		SM 45C	4	EA	26,000	104,000
6)	TIMMING PULLEY		A 6061	8	EA	45,000	360,000
7)	CHAIN GUIDE		아세탈	16	EA	20,000	320,000
8)	CHAIN SPROCKET		SM 45C	16	EA	35,000	560,000
9)	ATTACHMENTS BRACKET		SS 41	200	EA	18,000	3,600,000
10)	JIG GUIDE		아세탈	100	EA	43,000	4,300,000
11)	JIG FEEDING GUIDE		아세탈	4	EA	40,000	160,000
12)	BEARING HOUSING		A 6061	8	EA	55,000	440,000
13)	TENSION HOUSING		A 6061	8	EA	33,000	264,000
14)	TENSION SHAFT		SM 45C	8	EA	25,000	200,000
15)	MOTOR BRACKET		A 6061	2	EA	36,000	72,000
16)	CONNECTOR CHUCK		SKD 11	16	EA	75,000	1,200,000
17)	DIRVE MOTOR	S9R60GBH-ES12	S P G	2	EA	95,000	190,000
18)	GEAR HEAD	S9KC90BH	S P G	2	EA	62,000	124,000
19)	SPEED CONTROL PACK	SRB-02	S P G	2	EA	45,000	90,000
20)	전동 ACTUATOR	LEFSH32NZB-300-CN	S M C	2	EA	1,230,000	2,460,000
21)	SERVO MOTOR	HF-KR23B	MITSUBISHI	2	EA	380,000	760,000
22)	DRIVE	MR-J4-20B	MITSUBISHI	2	EA	345,000	690,000
23)	REDUCER	PGX62-H-1/10	홍진 ATG	2	EA	230,000	460,000
24)	BALL SCREW	FSBW1404A-450	A M T	2	EA	285,000	570,000
25)	LM GUIDE	MSC15LMUU+480	A M T	4	EA	62,000	248,000
26)	RODLESS CYLINDER	MY3B25-550L-M9B	S M C	1	EA	256,000	256,000
27)		MY1B25-600LZ-M9B	S M C	1	EA	295,000	295,000
28)	AIR CYLINDER	CDQSB25-40DM-M9B	S M C	2	EA	78,000	156,000
29)	TABLE CYLINDER	MXQ20A-50ZF-M9B	S M C	1	EA	290,000	290,000
30)	GUIDE CYLINDER	MGPM12-15Z-M9B	S M C	8	EA	115,000	920,000
31)		MGPM12-75Z-M9B	S M C	4	EA	128,000	512,000
32)	AIR CHUCK	MHZL2-16D-M9B	S M C	4	EA	178,000	712,000

33)	SOL V/V	SY3220-5LZ-C6	S M C	22	EA	43,000	946,000
34)	LM GUIDE	MSB15SSS+160	S M C	8	EA	38,000	304,000
35)	ATTACHMENTS CHAIN	# RS40AT-1300	DONG BO	8	EA	180,000	1,440,000
36)	POWER LOCK	MAD12*26	DURI	12	EA	7,500	90,000
37)	TIMMING BELT	270L 050 W:22	WOORYANG	4	EA	26,000	104,000
38)	TIMMING BELT	3500L 050 W:22	WOORYANG	4	EA	32,000	128,000
39)	BALL BEARING	# 6802	K B C	24	EA	1,000	24,000
40)	BALL BEARING	# 6002 ZZ	K B C	32	EA	1,500	48,000
41)	FIBER SENSOR	FU-49/FS-N11N	KEYENCE	8	SET	135,000	1,080,000
42)	기타 가공비			1	식	4,000,000	4,000,000
43)	기타 구매품비			1	식	1,000,000	1,000,000
44)	후처리			1	식	800,000	800,000
	소 계						31,181,000
4	FIXTURE UNLOADER PART			1	식		
1)	FIX' PLATE		A 6061	4	EA	22,000	88,000
2)	SIDE FIX' SUPPORT		A 6061	4	EA	85,000	340,000
3)	UPPER BASE PLATE		A 6061	1	EA	130,000	130,000
4)	LIVER		A 6061	4	EA	26,000	104,000
5)	MOVING PLATE		A 6061	2	EA	33,000	66,000
6)	GUIDE PLATE		A 6061	2	EA	42,000	84,000
7)	MOVING PLATE		A 6061	2	EA	45,000	90,000
8)	FEEDING BRACKET		A 6061	12	EA	36,000	432,000
9)	CHUCK BRACKET		SM 45C	8	EA	25,000	200,000
10)	FIXTURE CHUCK		티타늄	8	EA	120,000	960,000
11)	SUPPORT PLATE		A 6061	6	EA	45,000	270,000
12)	CYLINDER FIX' PLATE		A 6061	3	EA	52,000	156,000
13)	UP DOWN PLATE		A 6061	3	EA	36,000	108,000
14)	JIG GUIDE PLATE		A 6061	6	EA	56,000	336,000
15)	JIG CHUCK		A 6061	6	EA	65,000	390,000
16)	AIR CYLINDER	MXQ12-50AT-A93	S M C	2	EA	306,000	612,000
17)	AIR CHUCK	MHS2-25D-M9B	S M C	4	EA	195,000	780,000
18)	RODLESS CYLINDER	CY1S15-150BZ-A93	S M C	3	EA	220,000	660,000
19)	AIR CYLINDER	MXQ20-30AT-A93	S M C	2	EA	292,000	584,000
20)	REGULATOR	IR2010-02BG	S M C	3	EA	65,000	195,000
21)	PRESSURE SENSOR	ISE30-01-25LB	S M C	3	EA	73,000	219,000
22)	SOL V/V	SY3220-5LZ-C6	S M C	11	EA	43,000	473,000
23)	LM GUIDE	MSC15LMUU+150	A M T	4	EA	43,000	172,000
24)	FIBER SENSOR	FU-49/FS-N11N	KEYENCE	4	SET	135,000	540,000
25)	기타 가공비			1	식	1,800,000	1,800,000
26)	기타 구매품비			1	식	800,000	800,000
27)	후처리			1	식	500,000	500,000

	소 계						11,089,000
5	TORQUE DRIVE PART			1	식		
1)	FOOT PLATE		A 6061	2	EA	30,000	60,000
2)	SUPPORT PLATE		A 6061	2	EA	45,000	90,000
3)	CYLINDER FIX' PLATE		A 6061	1	EA	52,000	52,000
4)	SLIDE TABLE		A 6061	1	EA	38,000	38,000
5)	LOCKING CHUCK		SM 45C	4	EA	32,000	128,000
6)	SHAFT		SM 45C	4	EA	20,000	80,000
7)	CHUCK BRACKET		SM 45C	8	EA	25,000	200,000
8)	CONNECTOR CHUCK		티타늄	8	EA	120,000	960,000
9)	SERVO MOTOR	HF-KR053B	MITSUBISHI	4	EA	380,000	1,520,000
10)	DRIVE	MR-J4-10B	MITSUBISHI	4	EA	345,000	1,380,000
11)	REDUCER	PGX44-H-1/10	흥진 ATG	4	EA	230,000	920,000
12)	TABLE CYLINDER	MXQ16A-100ZF-M9B	S M C	1	EA	293,000	293,000
13)		MXQ12A-20ZE-M9B	S M C	2	EA	345,000	690,000
14)	AIR CHUCK	MHS2-25D-M9B	S M C	4	EA	195,000	780,000
15)	AIR CYLINDER	MXQ12-50AT	S M C	2	EA	306,000	612,000
16)	BALL SCREW	FSBW1404A-130	A M T	4	EA	225,000	900,000
17)	LM GUIDE	MSC15LMUU+150	A M T	8	EA	43,000	344,000
18)	AIR CYLINDER	MXQ12-50AT	S M C	4	EA	306,000	1,224,000
19)	REGULATOR	IR2010-02BG	S M C	4	EA	65,000	260,000
20)	PRESSURE SENSOR	ISE30-01-25LB	S M C	4	EA	73,000	292,000
21)	SOL V/V	SY3220-5LZ-C6	S M C	9	EA	43,000	387,000
22)	FIBER SENSOR	FU-49/FS-N11N	KEYENCE	4	SET	135,000	540,000
23)	기타 가공비			1	식	1,200,000	1,200,000
24)	기타 구매품비			1	식	800,000	800,000
25)	후처리			1	식	500,000	500,000
	소 계						14,250,000
6	엣칭 JIG LOADER & UNLOADER PART			2	식		
1)	LOADER FRAME		SS 41	4	EA	250,000	1,000,000
2)	LOADER BASE		SS 41	4	EA	120,000	480,000
3)	FIX' PLATE		A 6061	4	EA	250,000	1,000,000
4)	CYLINDER FIX BRACKET		A 6061	4	EA	42,000	168,000
5)	LIVER		A 6061	4	EA	26,000	104,000
6)	MOVING PLATE		A 6061	4	EA	33,000	132,000
7)	GUIDE HOUSING		A 6061	8	EA	42,000	336,000
8)	ACTUATOR BRACKET		A 6061	8	EA	30,000	240,000
9)	FEEDING BRACKET		A 6061	8	EA	36,000	288,000
10)	SUPPORT PLATE		A 6061	4	EA	45,000	180,000
11)	CYLINDER FIX' PLATE		A 6061	2	EA	52,000	104,000
12)	FEEDING PLATE		A 6061	2	EA	20,000	40,000

13)	UP DOWN PLATE		A 6061	2	EA	36,000	72,000
14)	JIG GUIDE PLATE		A 6061	8	EA	56,000	448,000
15)	JIG CHUCK		A 6061	8	EA	65,000	520,000
16)	JIG GUIDE RAIL		SM 45C	8	EA	130,000	1,040,000
17)	DRIVE MOTOR	S9R40GB-ES12	S P G	2	EA	86,000	172,000
18)	REDUCER	S9KB20B	S P G	2	EA	62,000	124,000
19)	SPEED CONTROL PACK	SRB-02	S P G	2	EA	45,000	90,000
20)	RODLESS CYLINDER	MY1B25-300LZ-M9E	S M C	2	EA	240,000	480,000
21)	TABLE CYLINDER	MXQ12A-20ZE-M9E	S M C	4	EA	345,000	1,380,000
22)	LM GUIDE	MSB15SSS+460	S M C	4	EA	53,000	212,000
23)	FIBER SENSOR	FU-49/FS-N11N	KEYENCE	8	SET	135,000	1,080,000
24)	SOL V/V	SY3220-5LZ-C6	S M C	9	EA	43,000	387,000
25)	기타 가공비			1	식	2,500,000	2,500,000
26)	기타 구매품비			1	식	800,000	800,000
27)	후처리			1	식	300,000	300,000
	소 계						13,677,000
7	밋칭 가체결 PART			1	식		
1)	FOOT PLATE		A 6061	3	EA	45,000	135,000
2)	SUPPORT PLATE		A 6061	3	EA	85,000	255,000
3)	LIVER		A 6061	3	EA	23,000	69,000
4)	UPPER BASE PLATE		A 6061	1	EA	125,000	125,000
5)	SLIDE TABLE		A 6061	1	EA	70,000	70,000
6)	BACK PLATE		A 6061	2	EA	32,000	64,000
7)	CYLINDER FIX' PLATE		A 6061	4	EA	35,000	140,000
8)	SPACER BLOCK		A 6061	4	EA	60,000	240,000
9)	BEARING HOUSING		A 6061	4	EA	40,000	160,000
10)	MOTOR BRACKET		A 6061	4	EA	28,000	112,000
11)	TOMMING PULLEY		A 6061	8	EA	45,000	360,000
12)	DRIVE SHAFT		SM 45C	4	EA	35,000	140,000
13)	CHUCK BRACKET		SM 45C	8	EA	25,000	200,000
14)	CONNECTOR CHUCK		티타늄	8	EA	120,000	960,000
15)	JIG CHUCK		SKD 11	4	EA	80,000	320,000
16)	CHUCK HOLDER		SM 45C	4	EA	43,000	172,000
17)	CYLINDER BRACKET		A 6061	2	EA	45,000	90,000
18)	전동 ACTUATOR	LEFSH32NZB-400-CN	S M C	1	EA	1,350,000	1,350,000
19)		LEFSH32NZB-200-CN	S M C	3	EA	1,200,000	3,600,000
20)	SERVO MOTOR	HF-KR053B	MITSUBISHI	4	EA	380,000	1,520,000
21)		HF-KR23B	MITSUBISHI	4	EA	380,000	1,520,000
22)	DRIVE	MR-J4-10B	MITSUBISHI	4	EA	345,000	1,380,000
23)		MR-J4-20B	MITSUBISHI	4	EA	345,000	1,380,000
24)	REDUCER	PGX44-H-1/10	흥진 ATG	4	EA	230,000	920,000

25)		PGX62-H-1/10	흥진 ATG	4	EA	230,000	920,000
26)	TABLE CYLINDER	MXQ16A-100ZF-M9B	S M C	1	EA	293,000	293,000
27)		MXQ12A-20ZE-M9B	S M C	6	EA	345,000	2,070,000
28)	AIR CHUCK	MHS2-25D-M9B	S M C	4	EA	195,000	780,000
29)	ROTARY MANIFOLD	MQRF2-M5	S M C	4	EA	825,000	3,300,000
30)	LM GUIDE	MSC15LMUU+150	A M T	8	EA	43,000	344,000
31)	REGULATOR	IR2010-02BG	S M C	4	EA	65,000	260,000
32)	PRESSURE SENSOR	ISE30-01-25LB	S M C	4	EA	73,000	292,000
33)	SOL V/V	SY3220-5LZ-C6	S M C	11	EA	43,000	473,000
34)	기타 가공비			1	식	3,000,000	3,000,000
35)	기타 구매품비			1	식	1,500,000	1,500,000
36)	후처리			1	식	1,000,000	1,000,000
	소 계						29,514,000
8	엣칭 TORQUE DRIVE PART			1	식		
1)	FOOT PLATE		A 6061	4	EA	45,000	180,000
2)	SUPPORT PLATE		A 6061	4	EA	85,000	340,000
3)	LIVER		A 6061	4	EA	23,000	92,000
4)	UPPER BASE PLATE		A 6061	2	EA	125,000	250,000
5)	SLIDE TABLE		A 6061	2	EA	70,000	140,000
6)	BACK PLATE		A 6061	2	EA	32,000	64,000
7)	CYLINDER FIX' PLATE		A 6061	4	EA	35,000	140,000
8)	BEARING HOUSING		A 6061	8	EA	40,000	320,000
9)	MOTOR BRACKET		A 6061	8	EA	28,000	224,000
10)	TOMMING PULLEY		A 6061	8	EA	45,000	360,000
11)	DRIVE SHAFT		SM 45C	4	EA	35,000	140,000
12)	CHUCK BRACKET		SM 45C	8	EA	25,000	200,000
13)	CONNECTOR CHUCK		티타늄	8	EA	120,000	960,000
14)	JIG CHUCK		SKD 11	4	EA	80,000	320,000
15)	CHUCK HOLDER		SM 45C	4	EA	43,000	172,000
16)	CYLINDER BRACKET		A 6061	2	EA	45,000	90,000
17)	전동 ACTUATOR	LEFSH32NZB-200-CN	S M C	4	EA	1,200,000	4,800,000
18)	SERVO MOTOR	HF-KR053B	MITSUBISHI	8	EA	380,000	3,040,000
19)		HF-KR23B	MITSUBISHI	4	EA	380,000	1,520,000
20)	DRIVE	MR-J4-10B	MITSUBISHI	8	EA	345,000	2,760,000
21)		MR-J4-20B	MITSUBISHI	4	EA	345,000	1,380,000
22)	REDUCER	PGX44-H-1/10	흥진 ATG	8	EA	230,000	1,840,000
23)		PGX62-H-1/10	흥진 ATG	4	EA	230,000	920,000
24)	TABLE CYLINDER	MXQ16A-100ZF-M9B	S M C	1	EA	293,000	293,000
25)		MXQ12A-20ZE-M9B	S M C	6	EA	345,000	2,070,000
26)	AIR CHUCK	MHS2-25D-M9B	S M C	4	EA	195,000	780,000
27)	ROTARY MANIFOLD	MQRF2-M5	S M C	4	EA	825,000	3,300,000

28)	LM GUIDE	MSC15LMUU+150	A M T	8	EA	43,000	344,000
29)	REGULATOR	IR2010-02BG	S M C	4	EA	65,000	260,000
30)	PRESSURE SENSOR	ISE30-01-25LB	S M C	4	EA	73,000	292,000
31)	SOL V/V	SY3220-5LZ-C6	S M C	11	EA	43,000	473,000
32)	기타 가공비			1	식	2,500,000	2,500,000
33)	기타 구매품비			1	식	1,000,000	1,000,000
34)	후처리			1	식	500,000	500,000
45)	기구 설계비			50	M/D	200,000	10,000,000
46)	기구 조립비			50	M/D	180,000	9,000,000
47)	설치 및 MANUAL 제작비			15	M/D	200,000	3,000,000
	소 계						54,064,000
	합 계						180,313,000

견적 내역서

PART UNIT :

단위 : (원)

NO	품 명	규 격	MAKER	수량	단위	단가	금액
1	CHAMBER BODY			1	식		
1)	철 자재비	PLATE		2,000	KG	1,200	2,400,000
2)	절단 & 절곡비	SS 41 3,2t 외		1	식	600,000	600,000
3)	LASER CUTTING	MOTOR BASE 외		1	식	1,000,000	1,000,000
4)	CHANEL & 형강	≡ CHANEL 외		1	식	500,000	500,000
5)	제작 & 조립			54	M/D	150,000	8,100,000
6)	기타 잡자재			1	식	300,000	300,000
	소 계						12,900,000
2	CYCLONE & STORAGE TANK			1	식		
1)	철 자재비	PLATE		400	KG	1,200	480,000
2)	절단 & ROLLING			1	식	400,000	400,000
3)	CON 제작			1	식	250,000	250,000
4)	PIPE	5"		1	본	140,000	140,000
5)	LASER CUTTING	FLANGE 외		1	식	400,000	400,000
6)	제작 & 조립			10	M/D	150,000	1,500,000
7)	기타 잡자재			1	식	100,000	100,000
	소 계						3,270,000
3	MAIN TABLE			1	식		
1)	MAIN SHAFT 제작			1	SET	2,500,000	2,500,000
2)	INDEX	6D-32분할	SANKYO	1	SET	3,200,000	3,200,000
3)	DISK COUPLING 외	450S		1	SET	200,000	200,000
4)	DRIVE MOTOR	1/2HP, 1/60 BR'K		1	SET	450,000	450,000
5)	MAIN TABLE	φ 350*10t		1	SET	240,000	240,000
6)	기타 잡자재	용접 ELBOW 외		1	식	300,000	300,000
	소 계						6,890,000
4	MULTI TABLE			1	식		
1)	MULTI TABLE			16	SET	220,000	3,520,000
2)	MULTI TURNING MOTOR	1/2HP, 1/60 BR'K		1	SET	450,000	450,000
3)	IDLE WHEEL	"V" BELT		4	SET	180,000	720,000
4)	JOINT UNIT			1	SET	200,000	200,000
5)	MULTI ROTATION UNIT	모퍼 외		1	SET	1,200,000	1,200,000
6)	기타 잡자재	"V" BELT 외		1	식	300,000	300,000
	소 계						6,390,000
5	NOZZLE TRANSFER UNIT			1	식		
1)	LINEAR UNIT -2축	HRM41-B,100st		1	SET	8,500,000	8,500,000
2)	LINEAR BRACKET	LASER CUTTING		2	SET	300,000	600,000
3)	NOZZLE FIX' BLOCK			4	SET	150,000	600,000
4)	기타 잡자재	고부 SEALING 외		2	식	100,000	200,000

	소 계						9,900,000
6	GATE WAY UNIT			1	식		
1)	CYLINDER DOOR PART			2	SET	380,000	760,000
2)	기타 잡자재			2	식	100,000	200,000
	소 계						960,000
7	분사 공급 장치 - 정량 공급			1	식		
1)	FEEDER & CONTROLLER	고주파 FEEDER		4	SET	200,000	800,000
2)	연마재 분배 UNIT	NOZZLE		4	SET	300,000	1,200,000
3)	기타 잡자재	ELBOW 외		4	식	60,000	240,000
	소 계						2,240,000
8	NOZZLE			1	식		
1)	NOZZLE GUN			4	EA	50,000	200,000
2)	BORON NOZZLE & CAP			4	EA	90,000	360,000
3)	SAND HOSW 외 잡자재			4	EA	60,000	240,000
	소 계						800,000
9	PNEUMATIC			1	식		
1)	DIGITAL REGULATOR	1/2"		4	SET	280,000	1,120,000
2)	SOLENOID VALVE	1/2"		5	EA	64,000	320,000
3)	AIR LINE	6" TANK 외		1	SET	600,000	600,000
4)	FITTING & AIR HOSE	φ 10		1	식	80,000	80,000
5)	기타 잡자재	배관자재 외		1	식	200,000	200,000
	소 계						2,320,000
10	DUST COLLECTOR			1	식		
1)	철 자재비	PLATE		650	KG	1,100	715,000
2)	절단 & 절곡비	3,2t 외		1	식	500,000	500,000
3)	CHANEL & 형강	≡ CHANEL 외		1	식	500,000	500,000
4)	AIR PULS TANK	5"		1	SET	180,000	180,000
5)	타공 & LASER	FILTER BASE 외		1	SET	300,000	300,000
6)	제작 조립비			14	M/D	150,000	2,100,000
7)	TUBO FAN	3HP		1	SET	420,000	420,000
8)	CARRTIDGE FILTER	φ 200*1000L		9	EA	80,000	720,000
9)	PULSING UNIT			3	식	60,000	180,000
10)	PULS VALVE	3/4"		3	EA	80,000	240,000
11)	PULS TIMMER	6 PORT		1	SET	200,000	200,000
12)	기타 잡자재	ELBOW 외		1	식	300,000	300,000
	소 계						6,355,000
11	CONTROL PANEL			1	식	16,000,000	16,000,000
12	도장			1	식	1,650,000	1,650,000
13	운반 & 설치 시운전			1	식	3,000,000	3,000,000
	합 계						72,675,000

견적 내역서

PART UNIT :

단위 : (원)

NO	품 명	규 격	MAKER	수량	단위	단가	금액
1	FRAME & COVER PART			1	식		
1)	하부 BASE	30*600*1300	SS 41	1	EA	1,200,000	1,200,000
2)	상부 BASE	30*600*1300	SS 41	1	EA	1,200,000	1,200,000
3)	POST	100*100*400	SS 41	6	EA	250,000	1,500,000
4)	하부COVER		SS 41	1	식	400,000	400,000
5)	CASTER	AC1300F	JI-DUK	4	EA	23,000	92,000
6)	SAFETY FENCE		SS 41	1	식	1,500,000	1,500,000
7)	기타 가공비			1	식	600,000	600,000
8)	기타 구매품비			1	식	300,000	300,000
9)	후처리			1	식	1,000,000	1,000,000
	소 계						7,792,000
2	ROBOT HAND			2	식		
1)	FIX' PLATE		A 6061	2	EA	60,000	120,000
2)	SUPPORT PLATE		A 6061	4	EA	25,000	100,000
3)	TABLE FIX' PLATE		A 6061	2	EA	45,000	90,000
4)	CYLINDER FIX' PLATE		A 6061	4	EA	30,000	120,000
5)	CHUCK BRACKET		SM 45C	8	EA	25,000	200,000
6)	CONNECTOR CHUCK		티타늄	8	EA	120,000	960,000
7)	VISIOB BRACKET		A 6061	2	식	300,000	600,000
8)	AIR CHUCK	MHZL2-16D-M9B	S M C	4	EA	178,000	712,000
9)	SOL V/V	SY3220-5LZ-C6	S M C	4	EA	43,000	172,000
10)	기타 가공비			1	식	500,000	500,000
11)	기타 구매품비			1	식	500,000	500,000
12)	후처리			1	식	300,000	300,000
	소 계						4,374,000
	합 계						12,166,000

견적 내역서

PART UNIT :

단위 : (원)

NO	품 명	규 격	MAKER	수량	단위	단가	금액
1	자동체결기 제어반			1	식		
1)	H/W & SYSTEM 설계			15	M/D	250,000	3,750,000
2)	HMI 작화			10	M/D	250,000	2,500,000
3)	PLC PROGRAM			20	M/D	250,000	5,000,000
4)	MANUAL & DOCUMENT			4	M/D	250,000	1,000,000
5)	제어반		제작품	1	SET	16,300,000	16,300,000
6)	서보 모터반		제작품	1	SET	4,100,000	4,100,000
7)	PLC BOX		제작품	2	SET	3,500,000	7,000,000
8)	HOP		제작품	1	SET	2,650,000	2,650,000
9)	전원 케이블		시중품	1	SET	430,000	430,000
10)	제어 케이블		시중품	1	SET	580,000	580,000
11)	통신 케이블		시중품	1	SET	170,000	170,000
12)	핀박스		시중품	1	SET	17,000	17,000
13)	잡자재		시중품	1	SET	500,000	500,000
	소 계						43,997,000
2	블라스팅 제어반			1	식		
1)	H/W & SYSTEM 설계			10	M/D	250,000	2,500,000
2)	HMI 작화			10	M/D	250,000	2,500,000
3)	PLC PROGRAM			7	M/D	250,000	1,750,000
4)	MANUAL & DOCUMENT			4	M/D	250,000	1,000,000
5)	제어반		제작품	1	SET	21,450,000	21,450,000
6)	PLC BOX		제작품	3	SET	3,500,000	10,500,000
7)	HOP		제작품	1	SET	2,650,000	2,650,000
8)	전원 케이블		시중품	1	SET	530,000	530,000
9)	제어 케이블		시중품	1	SET	810,000	810,000
10)	통신 케이블		시중품	1	SET	230,000	230,000
11)	핀박스		시중품	1	SET	17,000	17,000
12)	잡자재		시중품	1	SET	500,000	500,000
	소 계						44,437,000
3	ROBOT & VISION			2	식		
1)	시뮬레이션 검토			20	M/D	350,000	7,000,000
1)	ROBOT	HH8(방수 옵션)	현대중공업	2	SET	28,000,000	56,000,000
2)	VISION CONTROLLER 외		OMRON	2	SET	15,000,000	30,000,000
3)	데이터 백업용 HDD & RACK		시중품	2	SET	4,000,000	8,000,000
4)	모니터 & 거치대		HP	2	EA	250,000	500,000
5)	키보드 & 마우스		LOGITECH	2	EA	50,000	100,000
6)	기타 잡자재		시중품	2	SET	100,000	200,000
	소 계						101,800,000

4	전장 조립 & SETUP		1	식		
1)	각종 PNL (제어반 외)		7	M/D	250,000	1,750,000
2)	LS,SOL & INTERFACE 결선		12	M/D	250,000	3,000,000
3)	CABLE 포설		12	M/D	250,000	3,000,000
4)	I/O CHECK		10	M/D	250,000	2,500,000
5)	SETUP & T/O		7	M/D	300,000	2,100,000
6)	해체 & 포장		4	M/D	250,000	1,000,000
	소 계					13,350,000
5	ROBOT & VISION		1	식		
1)	설치 공사 자재		2	SET	1,200,000	2,400,000
2)	ROBOT 주변기기 설치		2	SET	800,000	1,600,000
3)	VISION SYSTEM SETUP		1	SET	1,000,000	1,000,000
4)	ROBOT SETUP & 티칭		5	M/D	400,000	2,000,000
5)	VISION SYSTEM 티칭 & T/O		5	M/D	300,000	1,500,000
6)	해체 & 포장		2	M/D	250,000	0
	소 계					8,500,000
6	설치 & 시운전		1	식		
1)	각종 PNL (제어반 외) 설치		5	M/D	250,000	1,250,000
2)	CABLE 복원 & I/O CHK		6	M/D	250,000	1,500,000
3)	ROBOT & VISION 복원		2	M/D	250,000	500,000
4)	ROBOT SETUP & 시운전		10	M/D	400,000	4,000,000
5)	라인 SETUP & 시운전		7	M/D	300,000	2,100,000
6)	VISION SETUP & 시운전		3	M/D	300,000	900,000
7)	양산 대기 & 교육		5	M/D	250,000	1,250,000
8)	VISION 양산대기 & 교육		5	M/D	500,000	2,500,000
9)	숙박비 외 운임		1	식	9,000,000	9,000,000
	소 계					23,000,000
	합 계					235,084,000