

Urgent

No :
 Tanggal : 23 Juni 2026
 Dari : Engineering

SURAT PERMINTAAN BARANG

No	Kode Barang	Nama Barang, Tipe, Spesifikasi	Lokasi / User	Riwayat Pembelian				Jumlah Permintaan	Satuan	Target Date	Kategori		Keterangan
				Tanggal	Jumlah	No SPB	Supplier						
1	IPT00072	Multitester Digital Fluke 117	Engineering	-	-	-	-	1	Pcs	07-07-26	1. Inventaris	V	Untuk Tools Support Perbaikan PCB & Controller (PLC) di Engineering.
2	ALAT00302	Osiloskop Digital Oscilloscope 2 in 1 Dual Channel 100MHz 1 GSa/s Alat Ukur Elektronika FNIRSI 1014D	Engineering	-	-	-	-	1	Set	07-07-26	2. Spareparts		
3	PMSN00117	FNIRSI SG-004A Signal Generator Adjustable Current Voltage Simulator	Engineering	-	-	-	-	1	Set	07-07-26	3. Consumable		
4	IMO16010	Power Supply Station 30 V 10A 300 Watt	Engineering	-	-	-	-	1	Pcs	07-07-26	4. Jasa		
5	PMSN00118	Breadboard Kit Prototyping MB102 830P (Paket Lengkap)	Engineering	-	-	-	-	2	Set	07-07-26	5. Project		
6	IMO18110	Penjepit PCB / Ragum + Lampu Service LED + Kaca Pembesar / Luv + Stand Solder + Tempat Timah Gulung TE 802	Engineering	-	-	-	-	1	Set	07-07-26			
7	IMO19251	Solder Station Yihua 8786D 2-in-1	Engineering	-	-	-	-	1	Set	07-07-26			
8	ALAT00299	Desoldering Pump Deko	Engineering	-	-	-	-	1	Pcs	07-07-26			
9	IMO20030	Timah Roll Asahi 0.8	Engineering	-	-	-	-	1	Roll	07-07-26			
10	PMSN00119	Lotfet Soldering Grease 50gr	Engineering	-	-	-	-	1	Pcs	07-07-26			
11	IAL00105	Pinset Set Stainless Steel	Engineering	-	-	-	-	1	Set	07-07-26			
12	ALAT00295	Obeng Tekiro Precision Screwdriver	Engineering	-	-	-	-	1	Set	07-07-26			
13	IMO19527	Sarung Tangan Anti Static	Engineering	-	-	-	-	2	Set	07-07-26			
14	PMSN00120	Kawat Email Halus	Engineering	-	-	-	-	1	Roll	07-07-26			
15	PIDC00383	Solder Dekko 40Watt	Engineering	-	-	-	-	1	Set	07-07-26			

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				Tanggal	Jumlah	No SPB	Supplier						
16	PMSN00121	Timah Cair Pasta Mechanic Xg-Z40 Ori 35Gr 10Cc 183C Solder Paste	Engineering	-	-	-	-	2	Pcs	07-07-26			
17	IMO18005	Rak Komponen Elektronik 30 Laci	Engineering	-	-	-	-	1	Unit	07-07-26			

PERMINTAAN TOOLS UNTUK SUPPORT PERBAIKAN PCB & CONTROLLER (PLC) DI ENGINEERING

Situasi :

Dalam industry, perbaikan PCB dan controller / PLC sering kali dilakukan melalui vendor, dalam pelaksanaan pengecekan awal dan perbaikan ringan dibutuhkan tools dan aksesoris sebagai penunjang yang diharapkan agar perbaikan dilakukan oleh internal.

Target :

Perbaikan PCB dan controller serta electrical lainnya dilakukan oleh internal team di pabrik.

Proposal :

Pengajuan pembelian tools dengan rincian terlampir diatas.

Tanda tangan Pemohon (nama jelas)		Engineering	Tanda Tangan Menyetujui (nama jelas)
			
Ajeng Ayu D	Muchtar Arsil S	Firman Ardi Busono	Hermawan Widyaprasetya

List Tools Support Perbaikan PCB & Controller (PLC) di Engineering.

No	Nama Barang	Jumlah	Harga	Total	Foto	Keterangan
1	Multitester Digital Fluke 117	1	Rp 3,800,000	Rp 3,800,000		https://shopee.co.id/product/301787991/44003530482?gads_t_sig=gRjZGVrxHCFomtpsTE0MjUxOnRzc19zZGtfa2V5omt20QABpGFsZ2_SAAA_AZKNkZWvAomN0xEAAAAAMfaLqIffS4JwQPCoOJZHE2YMfq1tWF61pnIIHqGuyOlpkjBotHu7Xpb0YRK1tULWVZdcpl_r9hw6jgE9CqmNpcGhlcRleHTEcQAAAAwqoVSDeGGqLSIVBEVFjraRGRMoNZieQHR6l_xE_oaSo-UpXPTI9BnmKENiYfnaChi8AlnE1uleS3xkGSNd4ZZB7pV3CO45I8xNONRelR80dUwkcJRSEk4JoMnvGCLqITdv-nQH46wpgN74FNU&gad_source=1&gad_campaignid=23199775580&gbraid=0AAAAADPpU81Gq14ZiIPnlgcmcFc-h9E2k&gclid=CjwKCAjw857RBhAgEiwAI-1yKDDLmgTWJEtle-CdHbKRwY1HDXRH8VR44ceW-db8_7ddYa5tbUgEJRocPacQAvD_BwE
2	Osiloskop Digital Oscilloscope 2 in 1 Dual Channel 100MHz 1 GSa/s Alat Ukur Elektronika FNIRSI 1014D	1	Rp 2,995,000	Rp 2,995,000		https://shopee.co.id/product/181986020/18780504916?gads_t_sig=gRjZGVrxHCFomtpsTE0MjUxOnRzc19zZGtfa2V5omt20QABpGFsZ2_SAAA_AZKNkZWvAomN0xEAAAAAMfaLqIffS4JwQPCoOJZHE2YMfq1tWF61pnIIHqGuyOlpkjBotHu7Xpb0YRK1tULWVZdcpl_r9hw6jgE9CqmNpcGhlcRleHTEcQAAAAyCqOHXS6g3YS7y-5XsKceg95NnmJCUEpXtWNDGp_0-hN66YTRUSEe9ixqWZblne4xhf1Rd5Ygir_mr8qnQ9kMzx6oHMLa2pekBbl2c5ziJ8GFfyc0-pjCZ4V5yt5_LuW-LxBMMqYLI47kpFe3pq&gad_source=1&gad_campaignid=23290574832&gbraid=0AAAAADPpU81YpoO850Y0SMSrOUAigPrLQ&gclid=CjwKCAjw857RBhAgEiwAI-1yKFy4aluGTdKPLvA3ZFuBhBBpYgi6ITwPft0j90s_Dr1YHQMEUdxOQRoC4CwQAvD_BwE
3	FNIRSI SG-004A Signal Generator Adjustable Current Voltage Simulator	1	Rp 3,258,500	Rp 3,258,500		https://shopee.co.id/product/1330227604/26513923928?gads_t_sig=gqRjZGVrxHCFomtpsTE0MjUxOnRzc19zZGtfa2V5omt20QABpGFsZ2_SAA_AAZKNkZWvAomN0xEAAAAAMfaLqIffS4JwQPCoOJZHE2YMfq1tWF61pnIIHqGuyOlpkjBotHu7Xpb0YRK1tULWVZdcpl_r9hw6jgE9CqmNpcGhlcRleHTEcWAAAAwVOZnHFcEgOgulyNEoGdBSEscgsUCZcdcOm9biYKOxvNWyb1KbVmywXISKbvzJeUH6WX6GjyTCGADSXU1nT95PtmTkBUMgkygoViV9DY7Tqmd3DkFxWx6UBmia4a5qI5_h8hQTdga7ygsHq4iIdI&gad_source=1&gad_campaignid=23630731641&gbraid=0AAAAADPpU80rBGYtpAYBL33MKfv1P3SmX&gclid=CjwKCAjw857RBhAgEiwAI-1yKFIAXmliVOIB67fcssXK3WsRtzpRfA-5r4xsEAuUXaMU61Vfr7BktRoCnw4QAvD_BwE

No	Nama Barang	Jumlah	Harga		Total	Foto	Keterangan
4	Power Supply Station 30 V 10A 300 Watt	1			Rp -		https://shopee.co.id/Power-Supply-DC-Tegangan-Variable-30V-120V-3A-5A-10A-Adjustable-Switching-PSU-Catu-Daya-DC-Digital-variabel-i.784830805.22147255389?extraParams=%7B%22display_model_id%22%3A241770393028%2C%22model_selection_logic%22%3A3%7D&sp_atk=4f7aa90d-a1ae-4492-a527-8142966cd17a&xptdk=4f7aa90d-a1ae-4492-a527-8142966cd17a
5	Breadboard Kit Prototyping MB102 830P (Paket Lengkap)	2	Rp	38,600	Rp 77,200		https://shopee.co.id/product/1057216196/19394039999?gads_t_sig=gqRjZGVrxHCFomtpTsTEOMjUxOnRzc19zZGtfa2V5omt20QABpGFsZ2_SAA_AAZKNkZWvAomNOxEAAAAAMfaLqIfF54JwQPCoOJZHE2YMfq1tWF61pnIIHqGuyOlPkjBotHu7Xpb0YRK1tULWVZdcpI_r9hw6jgE9CqmNpcGhlcRIeHTEcwAAAAxwRCwOyWGXRaepwdQpYW2HxhdyEOC7aulD4WUmEw3atUDnHwxqa127YwbhBNFY81cA5IN53wvfDT7Kd_O7Hlpeud7kv9YAqgP7u6V1dfAdBjSg0-8flFq8zEcuhUEa5myxL0ffx_pYBLDRPyTOY&gad_source=1&gad_campaignid=19804035996&gbraid=0AAAAADPpU80D27HJBTV2oQryI9NJq_Zb&gclid=CjwKCAjw857RBhAgEiwAl-1yKCKhD8yC_ulpDiz03nEhUoig2F_PcKUNc3Vh4-L_PZRZ3WUJw_AYCRoCck8QAvD_BwE
6	Penjepit PCB / Ragum + Lampu Service LED + Kaca Pembesar / Luv + Stand Solder + Tempat Timah Gulung TE 802	1	Rp	239,000	Rp 239,000		https://shopee.co.id/PENJEPIT-PCB-RAGUM-LAMPU-SERVIS-LED-KACA-PEMBESAR-LUV-STAND-SOLDER-TEMPAT-TIMAH-GULUNG-TE-802-ORI-i.91970050.1620312712?extraParams=%7B%22display_model_id%22%3A52560123145%2C%22model_selection_logic%22%3A3%7D&sp_atk=48576572-bea7-4b15-879f-eae04af94c28&xptdk=48576572-bea7-4b15-879f-eae04af94c28
7	Solder Station Yihua 8786D 2-in-1	1	Rp	1,086,690	Rp 1,086,690		https://shopee.co.id/YIHUA-8786D-I-2-IN-1-HOT-AIR-SOLDERING-REWORK-STATION-BLOWER-SOLDER-UAP-ORIGINAL-i.134476230.5268615642?extraParams=%7B%22display_model_id%22%3A62367515956%2C%22model_selection_logic%22%3A3%7D&sp_atk=51ad96b1-fbe9-4cb1-ab5f-45cb66c7820b&xptdk=51ad96b1-fbe9-4cb1-ab5f-45cb66c7820b
8	Desoldering Pump Deko	1	Rp	55,000	Rp 55,000		
9	Timah Roll Asahi 0.8	1	Rp	254,600	Rp 254,600		
10	Lotfet Soldering Grease 50gr	1	Rp	56,000	Rp 56,000		

No	Nama Barang	Jumlah	Harga	Total	Foto	Keterangan
11	Pinset Set Stainless Steel	1	Rp 70,900	Rp 70,900		https://shopee.co.id/Pinset-Set-9-in-1-Stainless-Steel-90111-Anti-Static-Servis-i.327079790.3474236212?extraParams=%7B%22display_model_id%22%3A23826251997%2C%22model_selection_logic%22%3A3%7D&sp_atk=687bc3c8-9fca-45d9-a5ae-080aa54f7c32&xptdk=687bc3c8-9fca-45d9-a5ae-080aa54f7c32
12	Obeng Tekiro Precision Screwdriver	1	Rp 157,500	Rp 157,500		
13	Sarung Tangan Anti Static	2	Rp 52,000	Rp 104,000		
14	Kawat Email Halus	1	Rp 45,000	Rp 45,000		
15	Solder Dekko 40Watt	1	Rp 109,000	Rp 109,000		https://shopee.co.id/Solder-Dekko-60W-40W-Kompak-Made-In-Korea-i.174067168.8200742379?extraParams=%7B%22display_model_id%22%3A23714395642%2C%22model_selection_logic%22%3A3%7D&sp_atk=2b4a9948-014b-4a75-a768-fdd8256a46f9&xptdk=2b4a9948-014b-4a75-a768-fdd8256a46f9
16	Timah Cair Pasta Mechanic Xg-240 Ori 35Gr 10Cc 183C Solder Paste	2	Rp 99,000	Rp 198,000		https://shopee.co.id/product/1557675987/44454243278?gads_t_sig=gqRjZGVrxHCFomtpsTE0MjUxOnRzc19zZGtfa2V5omt20QABpGFsZ2_SAA_AAZKNkZWvAomN0xEAAAAAMfaLqIfFS4JwQPCoOJZHE2YMfq1tWF61pnIIHqGuyOlpkjBotHu7Xpb0YRK1tULWVZdcpl_r9hw6jgE9CqmNpcGhlcNRIeHTEcwAAAAy9N3ixcGIPkd5BCOzJEv6ZPIbqYbDPzChnNLRWwIVG1kSj3MIsZN7mX7F8JkcWXvZagiWES84EL--YZZ_qBCMmuhcypYBoL5v1HKitJXq02-34FI3OeFbacO1alwDGmDpSatL7MMA4LKc1VBxLC3U&gad_source=1&ad_campaignid=23630731641&gbraid=0AAAAADPPU80rBGYtpAYBL33MKfv1P3SmX&gclid=CjwKCAjw857RBhAgEiwAI-1yKCALR3tQaKgrqhOA01ely_Wh1TnQ3C65RDt1YedEHbdbTfaPT8MXNxoCBQcQAvD_BwEte
17	Rak Komponen Elektronik 30 Laci	1	Rp 275,000	Rp 275,000		https://shopee.co.id/Rako-rak-komponen-elektronik-ada-3-varian-12-24-dan-30-laci-i.194880242.5405222624?extraParams=%7B%22display_model_id%22%3A9325409723%2C%22model_selection_logic%22%3A3%7D&sp_atk=7ad1c82a-dfe0-43cb-973e-ac33563535fe&xptdk=7ad1c82a-dfe0-43cb-973e-ac33563535fe
Grand Total			Rp	12,781,390		

Technical Comparison Tools Support Perbaikan PCB & Controller di Engineering

Keterangan

Opsi 1 : Inhouse / Beli Tools

Opsi 2 : Outsource / Supplier

Cost

Pembelian tools estimasi Rp. 12.781.390

Case = Untuk perbaikan 1 alat ke pihak luar (quotation terlampir) untuk line 3 & 4 dapat dapat dikerjakan internal.
Namun jika dikerjakan external
Maka cost perbaikan untuk point 3 dan 4 pada quotation tersebut menjadi
Rp. 59.950.000

Kelebihan Utama

- Downtime minimal
- Biaya per repair sangat murah
- Rahasia skema aman

- Pengeluaran awal no rupiah
- Hasil kerja dari tenaga bersertifikat
- Ada garansi perbaikan

Kekurangan Utama

- Biaya investasi awal tinggi

- Downtime lama (proses kirim & antri)
- Biaya per unit tinggi dalam jangka panjang
- Ketergantungan penuh pada pihak luar

ARVENTIS

PT. ARVENTIS MEGA INDONESIA
Jl. Jalur Sutera Prominence
Ruko Prominence Alam Sutera Blok 39D No. 79
Alam Sutera - Tangerang 15143
INDONESIA
Email: info@arventisintl.com
Website: arventisintl.com

DATE: March 2, 2026
QUOTATION # Q-001/AF/III/2026

QUOTATION

Attention:

Up : Bp Adhi
PT. Mersi Tirmaku Mercusana
Jalan Raya Pelabuhan No.Km. 18, Cikembar, Kec. Cikembar,
Sukabumi, Jawa Barat

If you have any questions, please contact us:

Alfin Adiyatna
+62 (811) 132-9997
alfin@arventisintl.com
Telp: 021-2952 6271; Fax: 021-2952 6371

Thank you for your inquiry. We are pleased to quote as follows:

NO	QTY	U.O.M	DESCRIPTION	UNIT PRICE IDR	AMOUNT IDR
1	1	Pcs	Assy, Replacement Front Board Zi PN : 0400170	45,700,000.00	45,700,000.00
2	1	Pcs	PCBA, Zi Interface Board PN : 0800216	33,500,000.00	33,500,000.00
3	1	Pcs	Cable Probe (Umbilical) PN : 0800217	36,300,000.00	36,300,000.00
4	1	Pcs	Cable Assy, Zi Printer PN : 6700238	23,650,000.00	23,650,000.00
Subtotal					139,150,000.00
Discount					27,830,000.00
Subtotal After Discount					111,320,000.00
DPP (11/12 x Sub Total)					102,043,333.33
PPN				12%	12,245,200.00
Grand Total					123,565,200.00

Delivery Time : Ready Stock
Place of Delivery : PT. Mersi Tirmaku Mercusana
Prices Valid Until : April 1, 2026
Payment Terms : 30 days after goods & original invoice received