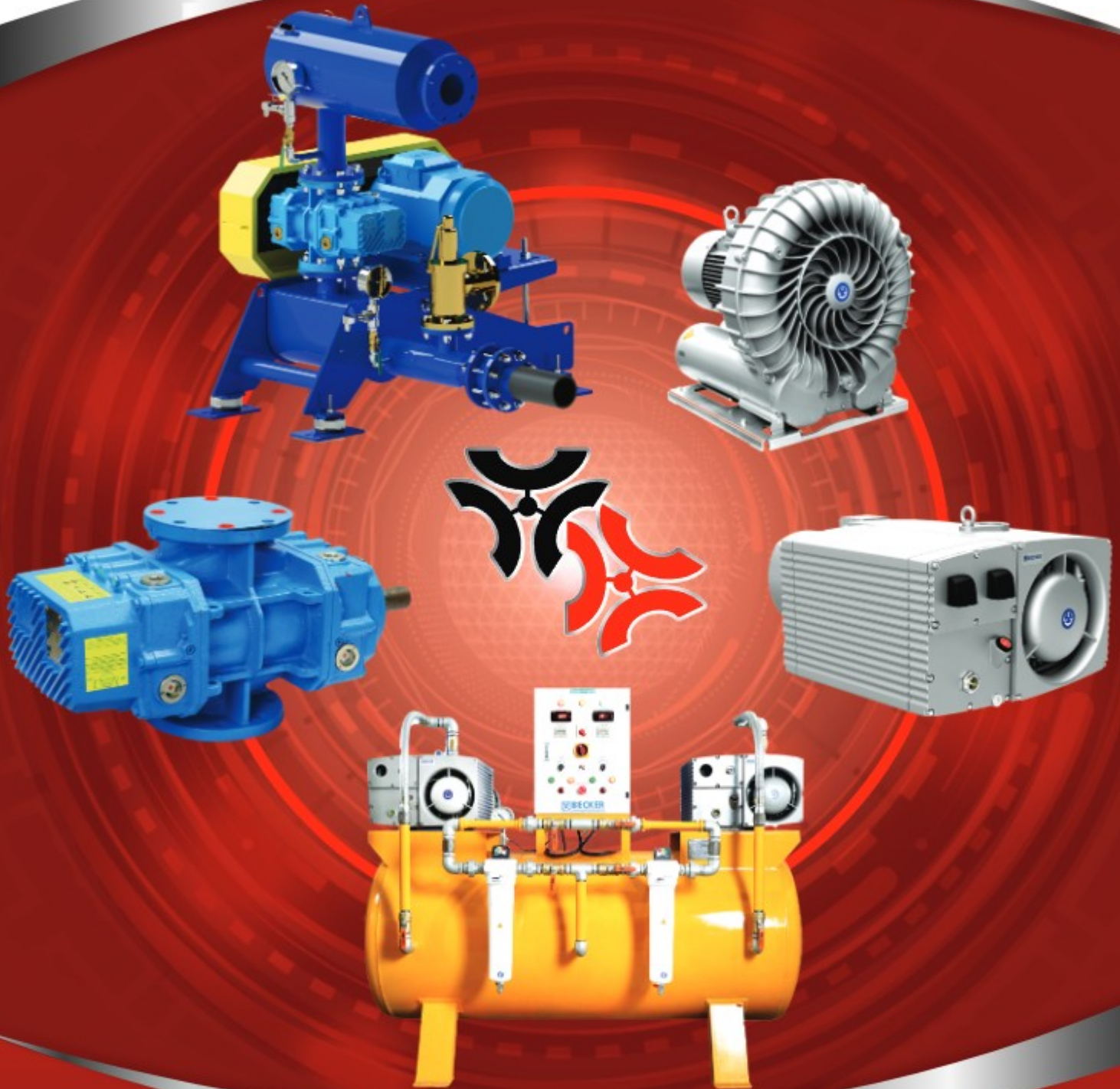




PT. INTIDAYA DINAMIKA SEJATI



PRODUCT CATALOGUE

"Your Vacuum Pump, Roots Blower and Rotating Equipment Specialist"

Authorized Distributor Service and Partner in Indonesia for :



BECKER



PEDRO GIL



PT Intidaya Dinamika Sejati
Service Distributor


1 Tahun 1969

Berdirinya **BENGKEL SEJATI** yang beralamat di Jl. PB. Sudirman No. 37 Jember


2 Tahun 1982

BENGKEL SEJATI berganti status menjadi **CV. SEJATI**


3 Tahun 1996

Pendirian **PT. INTIDAYA DINAMIKA SEJATI**


6 Tahun 2011

Peresmian **WORKSHOP** di Jl. Mh. Thamrin KM. 1 Ajung, Jember


AERZEN

BECKER
5 Tahun 1997 - 2012

Menjadi **AGEN** Roots Blower **AERZEN** di Indonesia

4 Tahun 1997 - Sekarang

Menjadi **DISTRIBUTOR** Resmi Vacuum Pump **BECKER** di Indonesia


7 Tahun 2014 - 2018

Menjadi **DISTRIBUTOR** Resmi Roots Blower **ROBUSCHI** di Indonesia


8 Tahun 2017

New Head Office
Jl. Sidosermo Indah I No.11, Sidosermo, Kec. Wonocolo, Surabaya, Jawa Timur


9 Lokasi

Intidaya berpusat di **SURABAYA** memiliki cabang di **SEMARANG & JAKARTA**


PEDRO GIL
12 Tahun 2022

INTIDAYA menjadi **Authorized Panel** maker dari **SCHNEIDER**


11 Tahun 2021

Berhasil meraih sertifikasi **ISO 9001:2015**, **ISO 14001:2015** dan **ISO 45001:2018**

10 Tahun 2018 - Sekarang

Menjadi **DISTRIBUTOR** Resmi Roots Blower **PEDRO GIL** di Indonesia


13 Tahun 2023

Intidaya membuka cabang di **MEDAN**

14 Tahun 2024

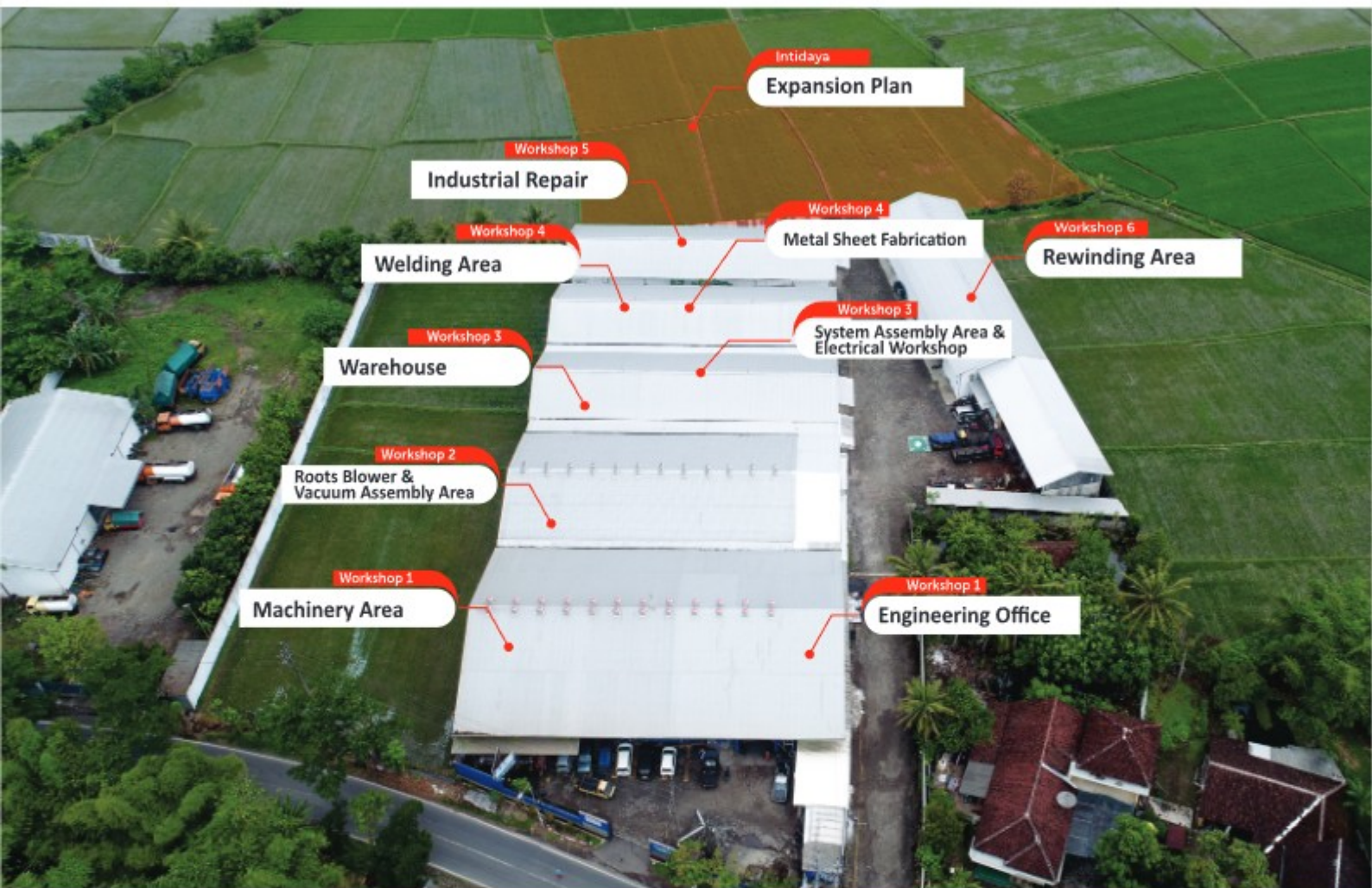
INTIDAYA bekerja sama dengan **SKF** sebagai **Authorized Service Distributor**



PT Intidaya Dinamika Sejati
Service Distributor

15 Tahun 2025

Coming Soon **MAKASSAR** on Januari 2025



**ENGINE
AND AUTO PART REPAIR**



**WELDING
AND FABRICATION**



**ELECTRICAL
PANEL SYSTEM**



**INDUSTRIAL REPAIR
ROTATING EQUIPMENT**



**REWINDING
ELECTROMOTOR**



**AUTOMOTIVE
SERVICES**





Vertical Line Boring



Honing Machine



Line Boring Conventional



Horizontal Lathe Conv.



Connecting Rod



Cylindrical Machine



Wire Cut Machine



Universal Drilling



CNC Lathe 2-Axis



Dynamic Balancing



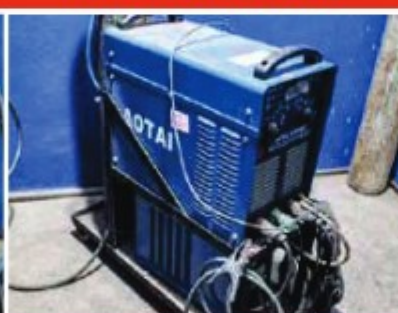
Metal Spray



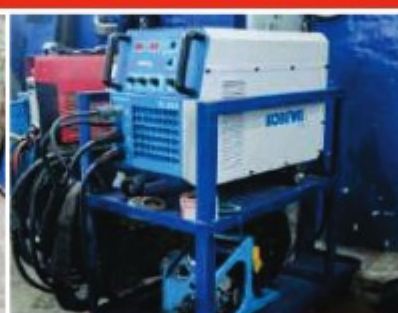
Hobbing Machine



S.M.A.W



G.T.A.W



F.C.A.W/G.M.A.W



Inverter 160 kW



Powder Coating



Sand Blasting



Rolling Machine



High Temperature Furnace

MECHANICAL TOOLS



SKF Microlog



SKF Vibration Sensor CMDT



SKF Heater Bearing



SKF Belt Alignment



SKF Shaft Alignment



SKF Pulse Vibration Sensor



Flir Thermal Imaging



Leak Detector



DEW Point Monitoring



Flow Meter



Belt Laser Alignment



Non Destructive-Test (NDT)



Enerpac



Enerpac



Oil Injector



Bearing Heater



Fitting Bearing



High Vacuum Gauge



Insulation Test



Resistance Test



Surge Test Baker D15R



Multi Voltage Tester



Insulation Test 12 KV



6 Axis CMM
(Coordinate Measuring Machines)



Hardness Tester



Roughness Tester



Noise Checker

OUR CERTIFICATE

- Certificate of Qualification Ultrasonic Testing Level II
- Certificate of Qualification Welder Grade PF
- Certificate of AK3 PUBTCertificate of Welding Inspector
- Certificate of Qualification Mechanical Engineer- Intermediate

- Certificate of Imbalance & Balancing Process
- Certificate of Basic Vibration Analysis
- Electrical K3 Certificate

- General K3 Certificate
- Class 1 Welder Certificate
- Certificate of Shaft Alignment

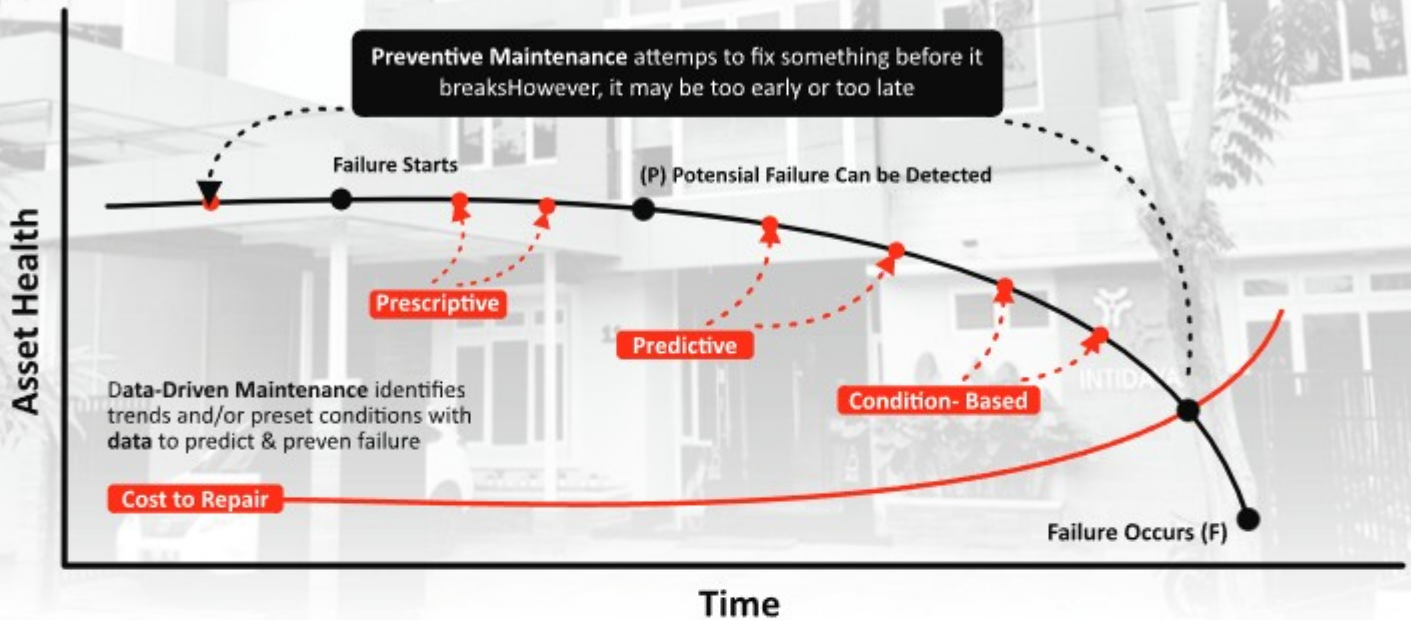
Business Division



Service Process



How Preventive Maintenance Stop Failure



Intidaya Online Monitoring System

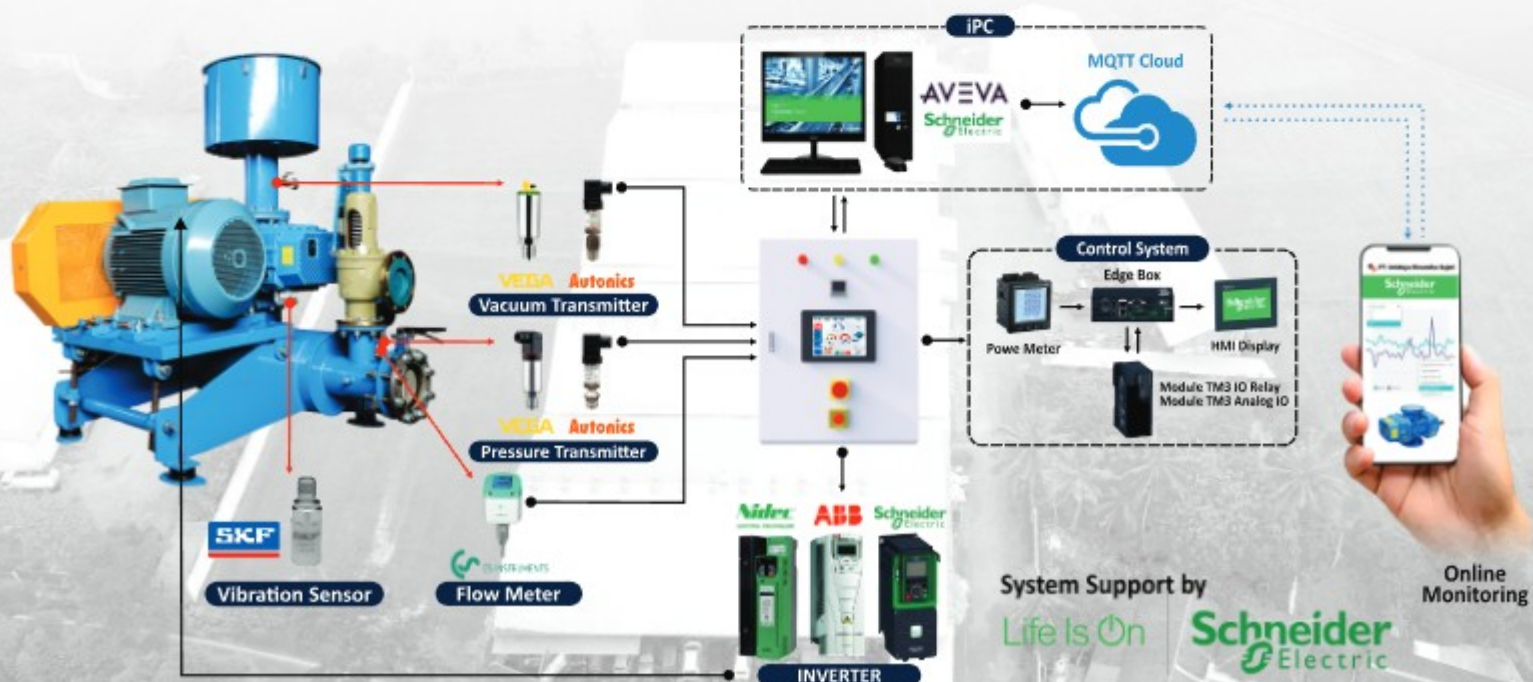


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Service Distributor

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ISO 9001:2008 CERTIFIED

Life Is On  **Schneider
Electric**

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INTIDAYA



***"Your Vacuum Pump &
Roots Blower specialist..."***



CUSTOMER-ORIENTED VACUUM SOLUTIONS SINCE 1885.

Gebr. Becker was founded in 1885 as "Maschinenfabrik Gebr. Becker" in Wuppertal-Barmen.

Today Becker is, in 4th generation owner-managed. A global leading manufacturer of vacuum and pneumatic equipment.

Approximately 120.000 devices and systems are produced in the plants every year.

VACUUM & COMPRESSOR PRODUCT RANGE



Rotary vane, Oil free pump



Rotary vane, Oil lubricated pump



Screw pump



Claw pump



Side channel pump



Radial pump



O SERIES

Features Of O Series

- High efficiency oil separator element
- Air-cooled
- Single shaft direct drive
- Compact design
- Freely configurable service openings for oil sight glass, oil inlet, oil outlet and accessories (some models)



O 5.10 (XL)



U 5.71

U SERIES

Features Of U Series

- High efficiency oil separator element
- Oil tank with dual stage oil separation
- Different types of oil for various requirements
- Different gas ballast valves available

Type	Flow Rate		Maximum Suction				Motor Power		Port	Repair Kit Number
	m3/hr	Liter/Minutes	mbar abs	mbar rel	mmHg	inHg	Kw	hp	Inch	
O 6.4	4	67	2.0	-998	-749	-29	0.12	0.50	0.35	
O 6.8	8	107	2.0	-997	-748	-29	0.25	0.50	0.67	
O 5.10, XL	10.5	175	2.0	-998	-749	-29	0.37	0.50	0.5, ¾	
O 5.16, XL	16	267	2.0	-998	-749	-29	0.55	1.00	0.5, ¾	
O 5.25, XLK	26	433	2.0	-998	-759	-29	0.75	0.75	0.75/0.5	
U 4.20	18	300	1.0	-999.5	-750	-30	0.55	1.00	0.5	
U 5.40, XL, XLK	40	667	1.0	-999	-750	-30	1.10	1.48	1	
U 5.45	45	750	0.5	-999.5	-760	-30	1.50	2.00	1.25	
U 5.65 XLK	65	1083	0.5	-999.5	-760	-30	1.50	2.00	1.25	
U 5.71	70	1167	0.1	-999.9	-750	-30	1.50	2.00	1.25	
U 5.101	100	1666	0.1	-999.9	-750	-30	2.20	3.00	1.25	
U 5.166	165	2750	0.1	-999.9	-750	-30	3 - 4	5.00	2	
U 5.201	200	3333	0.1	-999.9	-750	-30	4 - 5	7.50	2	
U 5.301	300	4998	0.1	-999.9	-750	-30	5 - 7.5	10.00	2	
U 4.400 SAK	435	7247	3.0	-997	-748	-29	11.00	15.00	3	
U 4.400 FK	435	7247	0.5	-999.5	-750	-30	11.00	15.00	3	
U 4.630 SAK	624	10396	3.0	-997	-748	-29	15.00	20.00	3	
U 4.630 FK	624	10396	0.5	-999.5	-750	-30	15.00	20.00	3	

• All Data @50Hz

• All pumps available in 50Hz - 60 Hz motor

Please Confirm With Our Team

Maintenance Guideline



Description

1. External Filter
2. Oil Vacuum Syntetic & Mineral
3. Oil Separator
4. Coarse Separator
5. Bearing Kit
6. Oil Filter
7. Filter Strainer
8. Oil Sight Glass
9. Coupling Disc
10. Filter Cartridge Gas Ballast
11. Shaft Seal
12. Sealing Kit
13. Rotor Vanes

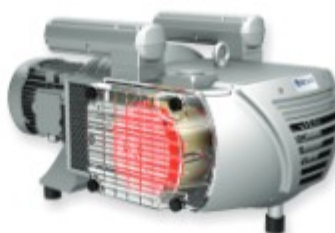
Component	Every 500 h	Every 2000 h	Every 4000 h	Every 12000 h
Filter 1 10	check & clean			
Oil separator 3		clean	replace	replace
Coupling Disc 9				replace
Pump Fan	clean			
Oil Level	check			
Oil Vacuum 2		replace		replace
Oil Filter 6		replace		replace
Oil Cooler		clean		
Rotor Vanes 13				replace
Sealing Kit 12				replace
Bearing Kit 5				replace



VT 4.4



KVT Series



VTLF Series

Features :

- 100% dry-running (oil-less) operation
- Quiet operation
- Long vane life
- Continuous duty rated
- Air-cooled
- Single shaft direct drive
- Compact design
- Variety of motors available

Type	Flow Rate		Maximum Suction				Motor Power		Port	Repair Kit Number
	m3/hr	Liter/Minutes	mbar abs	mbar rel	mmHg	inHg	Kw	hp	Inch	
GV 8	7	117	100	-900	-675	-27	0.22	0.50	0.37	RVT42KIT
VT 4.2	1.9	67	400	-900	-675	-27	0.10	0.50	0.25	RVT42KIT
VT 4.4	4	67	150	-850	-638	-25	0.18	0.50	0.25	RVT44KIT
VT 4.8	8	133	150	-850	-638	-25	0.37	0.50	3/8	RVT48KIT
VT 4.10	10	167	150	-850	-638	-25	0.37	0.50	0.50	RVT410KIT
VT 4.16	16	267	150	-850	-638	-25	0.55	1.00	0.50	RVT416KIT
VT 4.25	25	417	150	-850	-638	-25	0.75	1.00	0.75	RVT425KIT
VT 4.40	40	667	150	-850	-638	-25	1.25	2.00	0.75	RKVT440KIT
KVT 3.60	55	917	100	-900	-675	-27	2.20	3.00	1.00	RKVT360KIT
PICCHIO 2200	90	1500	100	-900	-675	-27	2.40	4.00	1.00	RPICH22KIT
KVT 3.80	67	1117	100	-900	-675	-27	2.20	3.50	1.00	RKVT380KIT
KVT 3.100	98	1633	100	-900	-675	-27	3.00	4.00	1.50	RKVT3100KIT
KVT 3.140	129	2150	100	-900	-675	-27	4.00	5.50	1.50	RKVT3140KIT
VTLF 2.200	178	2967	200	-800	-600	-24	4.00	5.50	2.50	RVTLF2200KIT
VTLF 2.250	244	4067	200	-800	-600	-24	5.50	7.50	2.50	RVTLF2250KIT
VTLF 2.250SK	247	4117	100	-900	-675	-27	7.50	10.50	2.50	RVTLF2250KIT
VTLF 2.360	351	5850	250	-750	-563	-22	11.00	15.00	2.50	RVTLF2360KIT
VTLF 2.400	390	6500	200	-800	-600	-24	7.50	10.00	4.00	RVTLF2400KIT
VTLF 2.500	495	8250	250	-750	-563	-22	11.00	15.00	4.00	RVTLF2500KIT

• All Data @50Hz

• All pumps available in 50Hz - 60 Hz motor

Maintenance Guideline



Description

1. Dust Separator
2. Filter Cartridge
3. Bearing Kit
4. Seal Teflon
5. Shaft Seal
6. Carbon Vanes
7. Rubber Coupling
8. Grease
9. Gasket Set

Component	Every 500 h	Every 2000 h	Every 12000 h
Filter	2	check & clean	replace
Dust Separator	1	clean	replace
Bearing Kit	3		replace
Seal Teflon	4		replace
Shaft Seal	5		replace
Carbon Vanes	6	check	replace
Rubber Coupling	7	check	replace
Grease	8	regrease	replace
Gasket Set	9		replace

COMPRESSOR (Pressure Only)



DT Series



KDT Series



DTLF Series

STANDARD DT SERIES

Features Of DT Series

- 100% dry-running (oil-less) operation
- Quiet operation
- Long vane life
- Continuous duty rated
- Air-cooled
- Single shaft direct drive
- Compact design
- Variety of motors available

Type	Flow Rate	Maximum Pressure	Motor Capacity	Port
	m3/hr	mbar rel	KW	Inch
DT 4.2	1.9	600	0.1	1/4
DT 4.4	4.2	1000	0.18	1/4
DT 4.8	8	1000	0.37	3/8
DT 4.10	10	1000	0.37	0.5
DT 4.16	16	1000	0.55	0.5
DT 4.25	25	600	0.75	3/4
DT 4.25 K	25	1000	1.10	3/4
DT 4.40	40	600	1.25	3/4
DT 4.40 K	40	1000	1.85	3/4
KDT 3.60	54	500	2.2	1.0
		1000	2.2	
		1500	3.0	
KDT 3.80	66	500	2.2	1.0
		1000	3.0	
		1500	4.0	
KDT 3.100	99	500	4.0	1.5
		1000	5.5	
		1500	505	
KDT 3.140	129	500	5.5	1.5
		1000	7.5	
		1500	7.5	

Type	Flow Rate	Maximum Pressure	Motor Capacity	Port
	m3/hr	mbar rel	KW	Inch
DTLF 2.200	174	800	5.5	2.5
		1500	7.5	
		1800	11.0	
DTLF 2.250	247	500	7.5	2.5
		1500	11.0	
		1800	15.0	
DTLF 2.250 K	240	800	7.5	2.5
		1500	11.0	
		1800	15.0	
DTLF 2.360	360	500	11.0	2.5
		900	15.0	
		11.0		
DTLF 2.400	365	900	11.0	4.0
		1250	15.0	
		1800	18.5	
DTLF 2.500	515	800	15.0	4.0
		1100	18.5	
		1500	22.0	
		1800	30.0	

• All Data @50Hz

• All pumps available in 50Hz - 60 Hz motor

Maintenance Guideline



Description

1. Dust Separator
2. Filter Cartridge
3. Bearing Kit
4. Seal Teflon
5. Shaft Seal
6. Carbon Vanes
7. Rubber Coupling
8. Grease
9. Gasket Set

Component	Every 500 h	Every 2000 h	Every 12000 h
Filter	2 check & clean		replace
Dust Separator	1	clean	replace
Bearing Kit	3		replace
Seal Teflon	4		replace
Shaft Seal	5		replace
Carbon Vanes	6	check	replace
Rubber Coupling	7	check	replace
Grease	8	regrease	replace
Gasket Set	9		replace

PRINTING PUMP (Vacuum & Pressure)



T Series



DVT Series



DVTLF Series

STANDARD T SERIES

Features Of T Series

- 100% dry-running (oil-less) operation
- Quiet operation
- Long vane life
- Continuous duty rated
- Air-cooled
- Single shaft direct drive
- Compact design
- Variety of motors available

Type	Flow Rate	Max. Pressure	Max. Vacuum	Motor Capacity	Port
	m3/hr	mbar rel	mbar rel	KW	Inch
T 4.10 DV	10	500	-500	0.37	0.5
T 4.16 DV	16	500	-500	0.55	0.5
T 4.25 DV	25	500	-500	0.75	3/4
T 4.25 DV SK	25	600	-600	1.10	3/4
T 4.40 DV	35	500	-500	1.25	3/4
T 4.40 DV SK	35	600	-600	1.85	3/4
DVT 3.60	58	500	-500	2.2	1.0
		600	-600	3.0	
DVT 3.80	70	500	-500	4.0	1.0
		600	-600	4.0	

Type	Flow Rate	Max. Pressure	Max. Vacuum	Motor Capacity	Port
	m3/hr	mbar rel	mbar rel	KW	Inch
DVT 3.100	103	500	-500	5.5	1.5
		600	-600	5.5	
DVT 3.140	137	500	-500	7.5	1.5
		600	-600	7.5	
DVTLF 2.250 K	242	500	-500	7.50	2.5
DVTLF 2.400	380	500	-500	11.00	4
DVTLF 2.500	500	500	-500	15.00	4

• All Data @50Hz

• All pumps available in 50Hz - 60 Hz motor

Maintenance Guideline



Description

1. Dust Separator
2. Filter Cartridge
3. Bearing Kit
4. Seal Teflon
5. Shaft Seal
6. Carbon Vanes
7. Rubber Coupling
8. Grease
9. Gasket Set

Component	Every 500 h	Every 2000 h	Every 12000 h
Filter	2 check & clean		replace
Dust Separator	1	clean	replace
Bearing Kit	3		replace
Seal Teflon	4		replace
Shaft Seal	5		replace
Carbon Vanes	6	check	replace
Rubber Coupling	7	check	replace
Grease	8	regrease	replace
Gasket Set	9		replace

CLAW PUMP



BCV 100



BCV 300

Features

- 100% oil-less operation chamber
- Air-cooled
- Non-contact compression
- Continuous duty rated
- Single shaft direct drive
- Compact design
- Variety of motors available
- Internal filtration with clear cover

Vacuum

Type	Flow Rate		Maximum Suction				Motor Power		Port
	m3/hr	liter/ min	mbar abs	mbar rel	mmHg	inHg	kw	hp	Inch
BCV 100	100	1666	50	-950	-713	-28	2.2 3	3	2.5
BCV 150	150	2499	100	-900	-675	-27	3 4	4	2.5
BCV 300	275	4582	150	-850	-638	-25	5.5 7.5	7.5	2.5



BCP 100



BCP 300

Features

- 100% oil-less operation chamber
- Air-cooled
- Non-contact compression
- Continuous duty rated
- Single shaft direct drive
- Compact design
- Variety of motors available
- Internal filtration with clear cover
- Pulsation damper

Pressure

Type	Flow Rate		Maximum Suction			Motor Power		Port
	m3/hr	liter/ min	mbar rel	mmHg	inHg	kw	hp	Inch
BCP 100	100	1666	800	600	23	3 - 4	4	2.5
			1300	975	38	4	5.5	
			1500	1.125	44	5.5	7.3	
			2000	1500	59	5.5 - 7.5	7.3	
BCP 150	150	2499	1000	750	29.5	5.5	7.3	2.5
			1300	975	38	7.5	10	
			1700	1275	50	7.5	10	
			2000	1500	59	9.2	12.3	
BCP 300	275	4582	1300	975	38	11	14.7	2.5
			1600	1200	47	15	20	
			2000	1500	59	15 - 18.5	20	

VACUUM BOOSTER PACKAGE



- Consisting of an oil-lubricated rotary vane vacuum pump and a booster pump (roots) with integrated bypass as a backup for packaging processes with quick cycling mes for high operational reliability and availability

Type	Flow	Vacuum	Pump Type		
	m ³ /h	mbar	RBP	U.5	Connection
PS 200/500	500	<0.1	RBP 500	U 5 201	DN 100
PS 300/500	500	<0.1	RBP 500	U 5 301	DN 100
PS 300/1000	1000	<0.1	RBP 1000	U 5 301	DN 100
PS 630/2000	2000	<0.1	RBP 2000	U 4 630	DN 150

• All Data @50Hz

CENTRAL VACUUM SYSTEM CENTRAL LOW PRESSURE



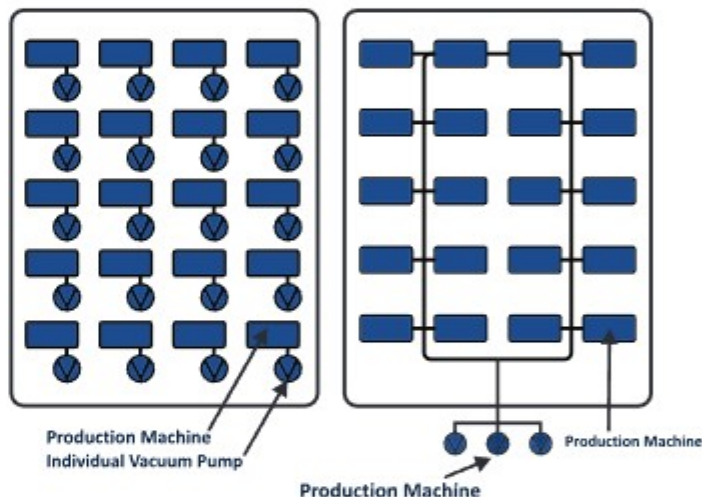
VADS 250



VADS 1500

Features Of BECKER SCREW

- Made in Germany
- Ideal for central vacuum system
- Best Efficiency at it's class
- Oil free screw
- Oil only for bearing lubrication
- VSD (Variable Speed Drive)
- Danfoss Inverter



Type	Flow Rate (m ³ /hr)		Motor kW	RPM		Max. Suction		Max. Pressure
	Min	Max		Min	Max	mbar rel	mbar abs	mbar rel
VADS 250	110	250	7.5	5000	10000	-999.9	0.1	-
VADS 1500	750	1420	37	6600	12000	-800	200	-
VADS 1500 + Vacuum	750	1380	30	6600	12000	-800	200	-
VADS 1500 + Pressure	750	1230	45	5000	10000	-	-	1000

INDONESIA ASSEMBLED CENTRAL SYSTEM



Indonesia assembled central system will be using electrical and mechanical component that are available in Indonesia.
(Available on Oil Free and Oil Lubricated Pumps)

SV SERIES



Features

- Made in Germany
- Easy maintenance
- Ready for inverter (40-100Hz)
- Available in 1 or 3 Phase (Only for some model)
- Heavy duty for hours operation
- Higher efficiency compare to other

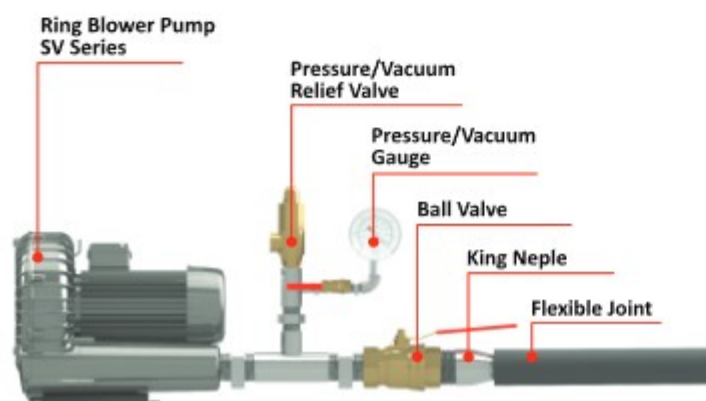
SINGLE-STAGE (vacuum or pressure)

Type	Motor Power	Maximum Vacuum	Maximum Pressure	Flow Rate	Port
	kw	mbar rel	mbar rel	m3/hr	Inch
SV 130/1	0.55	-75	75	130	1.5
SV 130/1	0.75	-125	125	130	1.5
SV 130/1	1.10	-210	210	130	1.5
SV 130/1	1.25	-240	240	130	1.5
SV 200/1	1.10	-150	145	180	2.0
SV 200/1	1.50	-215	225	180	2.0
SV 300/1	2.20	-170	165	325	2.5
SV 300/1	3.00	-265	250	325	2.5
SV 300/1	4.00	-290	340	325	2.5
SV 400/1	3.00	-210	200	390	3.0
SV 400/1	4.00	-315	290	390	3.0
SV 400/1	5.50	-315	425	390	3.0
SV 500/1	4.00	-200	190	510	3.0
SV 500/1	5.50	-315	295	510	3.0
SV 500/1	7.50	-355	435	510	3.0
SV 700/1	5.50	-200	185	750	4.0
SV 700/1	7.50	-300	285	750	4.0
SV 700/1	11.00	-340	400	750	4.0
SV 1100/1	7.50	-160	140	1050	4.0
SV 1100/1	11.00	-290	260	1050	4.0
SV 1100/1	15.00	-320	390	1050	4.0

DOUBLE-STAGE (vacuum or pressure)

Type	Motor Power	Maximum Vacuum	Maximum Pressure	Flow Rate	Port
	kw	mbar rel	mbar rel	m3/hr	Inch
SV 130/2	0.55	-170	160	70	1.5
SV 130/2	0.75	-270	250	70	1.5
SV 130/2	1.10	-380	400	70	1.5
SV 200/2	1.10	-330	300	90	2.0
SV 200/2	1.50	-330	410	90	2.0
SV 300/2	2.20	-350	330	160	2.5
SV 300/2	3.00	-405	515	160	2.5
SV 400/2	3.00	-440	390	195	3.0
SV 400/2	4.00	-440	530	195	3.0
SV 500/2	4.00	-410	370	260	3.0
SV 500/2	5.50	-410	480	260	3.0
SV 700/2	5.50	-390	330	375	4.0
SV 700/2	7.50	-420	500	375	4.0
SV 1100/2	7.50	-340	250	520	4.0
SV 1100/2	11.0	-390	490	520	4.0

RECOMMENDED INSTALATION



Pressure Application



Vacuum Application



RING BLOWER



Features

- Made in China
- Easy maintenance
- Ready for inverter (40-50 Hz)
- Available in 1 or 3 Phase (Only for some model)
- Heavy duty for hours operation

SINGLE-STAGE (vacuum or pressure)

Type	Motor Power	Maximum Vacuum	Maximum Pressure	Flow Rate	Port
	kw	mbar rel	mbar rel	m3/hr	Inch
SC55/012B	0.12	-60	60	55	1.25
SC80/040B	0.40	-120	130	80	1.25
SC100/055B	0.55	-110	120	100	1.25
SC150/070B	0.70	-120	120	145	1.50
SC150/085B	0.85	-160	160	145	1.50
SC150/130B	1.30	-170	200	145	1.50
SC210/085B	0.85	-160	170	210	2.00
SC210/130B	1.30	-170	170	210	2.00
SC210/160B	1.60	-200	190	210	2.00
SC210/220B	2.20	-220	270	210	2.00
SC270/160B	1.60	-170	180	265	2.00
SC270/220B	2.20	-220	230	270	2.00
SC320/220B	2.20	-210	200	318	2.00
SC320/300B	3.00	-270	290	318	2.00
SC350/300B	3.00	-240	220	345	2.00
SC420/400B	4.00	-260	310	420	2.00
SC530/430B	4.30	-200	200	530	2.50
SC530/550B	5.50	-300	320	530	2.50
SC700/550B	5.50	-200	180	700	2.50
SC700/750B	7.50	-270	260	700	2.50
SC1050/850B	8.85	-210	210	1050	4.00
SC1050/150B	15.00	-320	380	1050	4.00
SC1370/185B	18.50	-310	320	1370	4.00

DOUBLE-STAGE (vacuum or pressure)

Type	Motor Power	Maximum Vacuum	Maximum Pressure	Flow Rate	Port
	kw	mbar rel	mbar rel	m3/hr	Inch
SCD110/085B	0.85	-200	230	110	1 1/4
SCD110/130B	1.30	-230	230	110	1 1/4
SCD150/220B	2.20	-330	420	150	1.50
SCD230/300B	3.00	-340	410	230	2.00
SCD320/400B	4.00	-355	375	320	2.00
SCD320/550B	5.50	-440	500	320	2.50
SCD520/750B	7.50	-400	400	520	2.50
SCD520/110B	11.00	-430	600	520	4.00
SCD1110/165B	16.50	-420	370	1110	4.00
SCD1950/200B	20.00	-220	200	1940	4.00
SCD1950/250B	25.00	-310	270	1940	5.00
SCD2050/200B	20.00	-250	230	2050	5.00
SCD2050/250B	25	-310	270	2050	5.50

OPTIONAL ACCESSORIES



Relief Valve



Vacuum Gauge

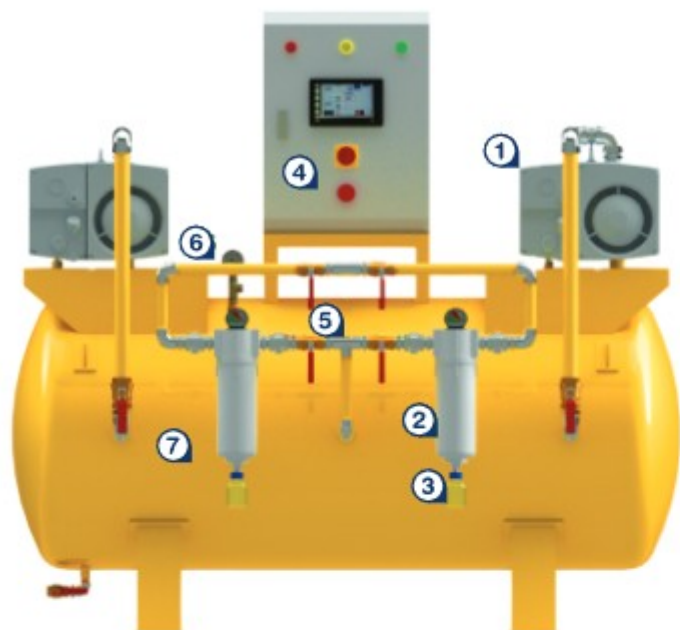


Pressure Gauge



Intake Filter

INTIDAYA MEDICAL VACUUM SYSTEM



1 BECKER Vacuum Pump

2 BECKER Medical Filter

3 Drain Flask

4 Panel Medical System

Available Panel Type Premium

6 Vacuum Gauge

5 Accesories & Valve

Type Valve

- Elbow, Tee, D Nipple, Verlope Ring, Water Mur, Shock, Drat, Ball Valve, Ball Valve 3 Way

Include

- Certificate DISNAKER
- Handhole
- Drain

7 Tanki

Body & Shell :

- A36/SS 400

Standard Design Pressure

Vessel

- ASME VIII

Standard Welding Procedure

Spesification (WPS)

- ASME XI

Finishing By

- Powder Coating

Design Pressure: 15 bar

Working Pressure: 10 bar

Premium Medical Vacuum System

- Piping Installation Standard Medical Suction by NFPA
- Pipe connection using Iron
- Fitting using stainless
- Pipe connection to output using copper
- Ball valve using Kitz
- Easy in Medical Filter maintenance

Medical Oil Lubricated Duplex System (2 Pumps)

MODEL	VACUUM PUMP (2 UNIT)	MEDICAL FILTER (2 UNIT)	MAXIMUM FLOW RATE		MOTOR (kW)	TANK CAPACITY LITERS
			m ³ /hr	liter/min		
DL20	U 4.20	M-VAC 0076	2 x 18	2 x 300	2 x 0.55	300
DL40	U 5.40	M-VAC 0186	2 x 40	2 x 667	2 x 1.10	300
DL71	U 5.71	M-VAC 0306	2 x 70	2 x 1167	2 x 1.50	600
DL101	U 5.101	M-VAC 0306	2 x 100	2 x 1667	2 x 2.20	600
DL166	U 5.166	HV-UL896-126HC	2 x 165	2 x 2750	2 x 4.00	1000
DL201	U 5.201	HV-UL896-126HC	2 x 200	2 x 3333	2 x 5.50	1000
DL301	U 5.301	HV-UL896-151HC	2 x 300	2 x 5001	2 x 7.5	1000

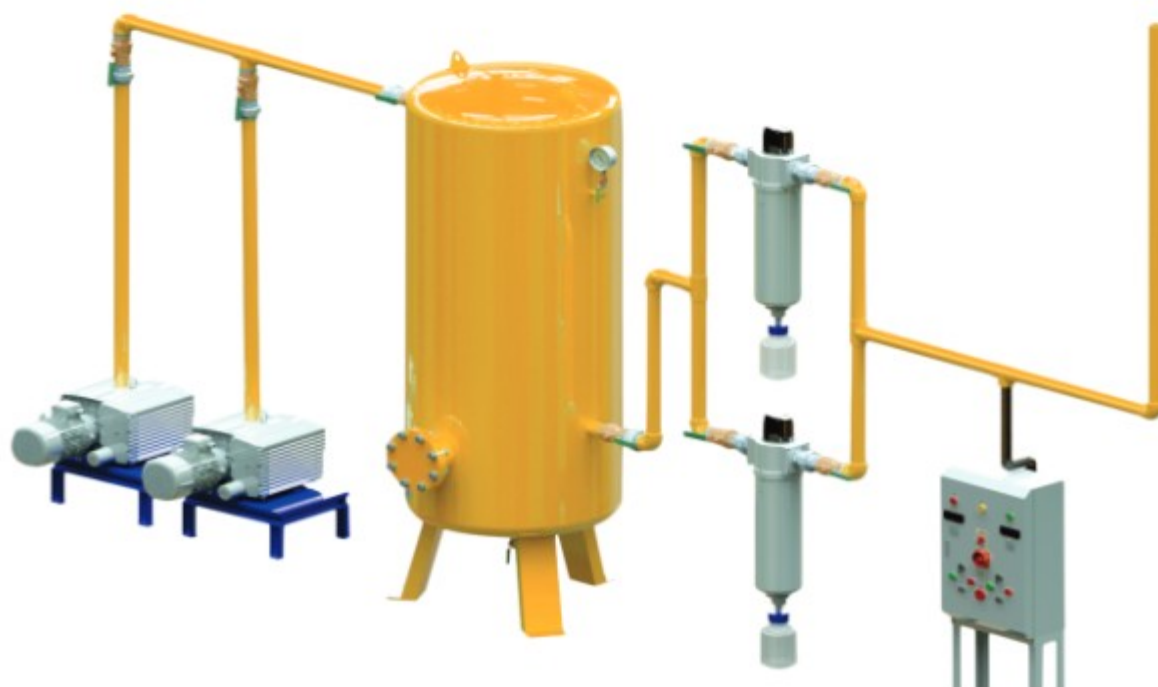
Include Reservoir Tank, Piping And Electrical Control Panel

Medical Oil Free Duplex System (2 Pumps)

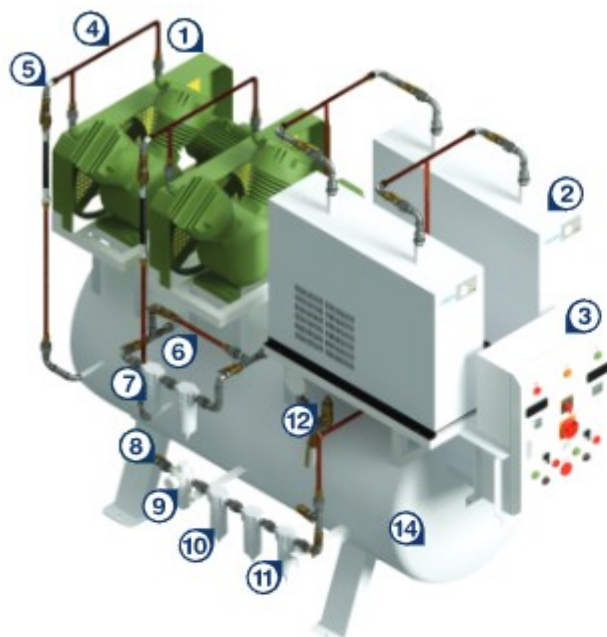
MODEL	VACUUM PUMP (2 UNIT)	MEDICAL FILTER (2 UNIT)	MAXIMUM FLOW RATE		MOTOR (kW)	TANK CAPACITY LITERS
			m ³ /hr	liter/min		
DF 25	VT 4.25	M-VAC 0076	2 x 25	2 x 417	2 x 0.75	300
DF 40	VT 4.40	M-VAC 0186	2 x 40	2 x 666	2 x 1.25	300
DF 80	KVT 3.80	M-VAC 0306	2 x 67	2 x 1116	2 x 2.40	600
DF 90	PICCHIO 2200	M-VAC 0306	2 x 90	2 x 1500	2 x 3.00	600
DF 100	KVT 3.100	M-VAC 0306	2 x 98	2 x 1633	2 x 3.00	1000
DF 140	KVT 3.140	HV-UL896-126HC	2 x 129	2 x 2149	2 x 4.00	1000
DF 250	VTLF 2.250	HV-UL896-151HC	2 x 244	2 x 4065	2 x 5.50	1000

Include Reservoir Tank, Piping And Electrical Control Panel

AIR FLOW MEDICAL VACUUM SYSTEM



INTIDAYA MEDICAL COMPRESSOR SYSTEM



- 1 Head Compress. BEBICON
- 2 Air Dryer
- 3 Panel Medical System
- 4 Copper Material Connecti.
- 5 Acc. Stainles Material
- 6 Bypass Input Line
- 7 Pre Filter
- 8 Output Lie
- 9 Pressure Regulator
- 10 Carbon Filter
- 11 After Filter
- 12 Bypass Output Line

13 Safety Valve & Press. Gauge

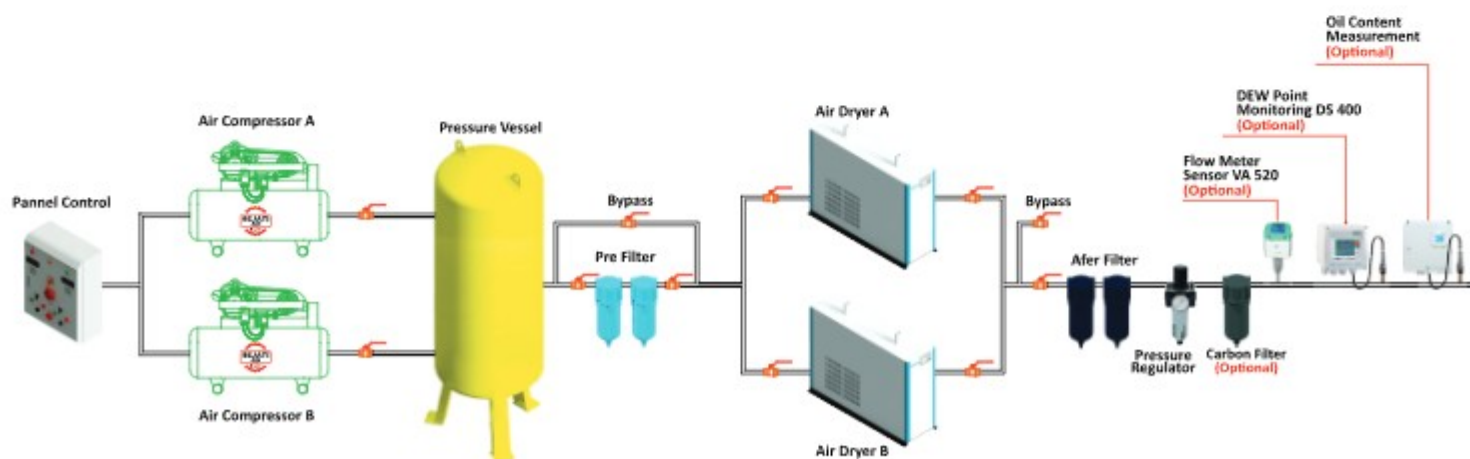
14 Tanki

- Body & Shell :
- A36/SS 400
- Standard Design Pressure Vessel
- ASME VIII
- Standard Welding Procedure Spesification (WPS)
- ASME XI
- Finishing By
- Powder Coating
- Design Pressure: 15 bar
Working Pressure: 10 bar
Include
- Certificate DISNAKER
 - Manhole
 - Drain

Compressor Medical System

CODE	DESCRIPTION	POWER	CAPACITY (liter/min)	Dryer & Filter ORION (Pre & Afer)	Receiver Tank (Liter)
BOF-P 0.75	0.75OP - 9.5GS5A	1p / 220v	80		300
BOF-P 1.5	1.5OP - 9.5GS5A	1p / 220v	165	ARX 5HJ dan LSF+MSF 150AL	600
BOF-P 2.2	2.2OP - 9.5GS5A	1p / 220v	265		600
BOF-P 3.7	3.7OP - 9.5GS5A	3p / 380v	440	ARX 10HJ dan LSF+MSF 150AL	1000
BOF-P 5.5	5.5OP - 9.5GS5A	3p / 380v	630		1000
BOF-P 7.5	7.5OP - 8.5GS5A	3p / 380v	840	ARX 20HJ dan LSF+MSF 200AL	1000
BOF-P 11	11OP - 8.5GS5A	3p / 380v	1200		1000

AIR FLOW MEDICAL COMPRESSOR SYSTEM



MEDICAL VACUUM FILTER



Medical Filter M-VAC Series

Filter Model	Pipe Size (Inch)	Unit Vacuum		Bacterial Filtration Rate
		Oil Free	Oil Lubricated	
M-Vac 0306	1"	VT 4.25 VT 4.40	U 4.20 U 4.40	0.005%
M-Vac 0476	1½"	KVT 3.80 PICCHIO 2200 KVT 3.100	U 5.71 U 5.101	
M-Vac 0946	2"	KVT 3.140 VTLF 2.250	U 5.166 U 5.201 U 5.301	
M-Vac 02006	3"			

ACCESSORIES



External Filter

Model	Flow Rate (m³/h)	Port (Inch)
F 6	25	¾"
F 10	40	¾"
F 35	90	1¼"
F 110	144	1¼"
FV 200	300	2"
FV 250	300	2½"
FV 540	450	4"



Spinmeister

- Extreme Duty Filtration
- Bucket from shatter resistant polycarbonate
- Clip release for easy maintenance

Port Size (inch)	Flow (m³/hr)
2"	68-167
3"	170-340
4"	340-765
6"	765-1530



Liquid Separator

- Corrosion resistant casting
- Bucket from shatter resistant polycarbonate
- Maximum inlet temperature 104c

Port Size (inch)	Flow (m³/hr)	Holding Capacity (liter)
1"	68	1.6
1¼"	102	1.6
1½"	136	1.6
2"	297	3.7
2½"	356	3.7
3"	510	5.7
4"	850	5.7



PN: 74330500000



PN: 96000900201 (MINERAL)
PN: 96001600200 (SYNTHETIC)

Grease Gun & Vacuum Pump Oil

- Vacuum pump oil available syntetic and mineral
- Grease ambignon TA 15 in 50 gram

PANEL CENTRAL VACUUM SYSTEM



Type Standard



Intidaya Online Monitoring System

Specification Panel Control

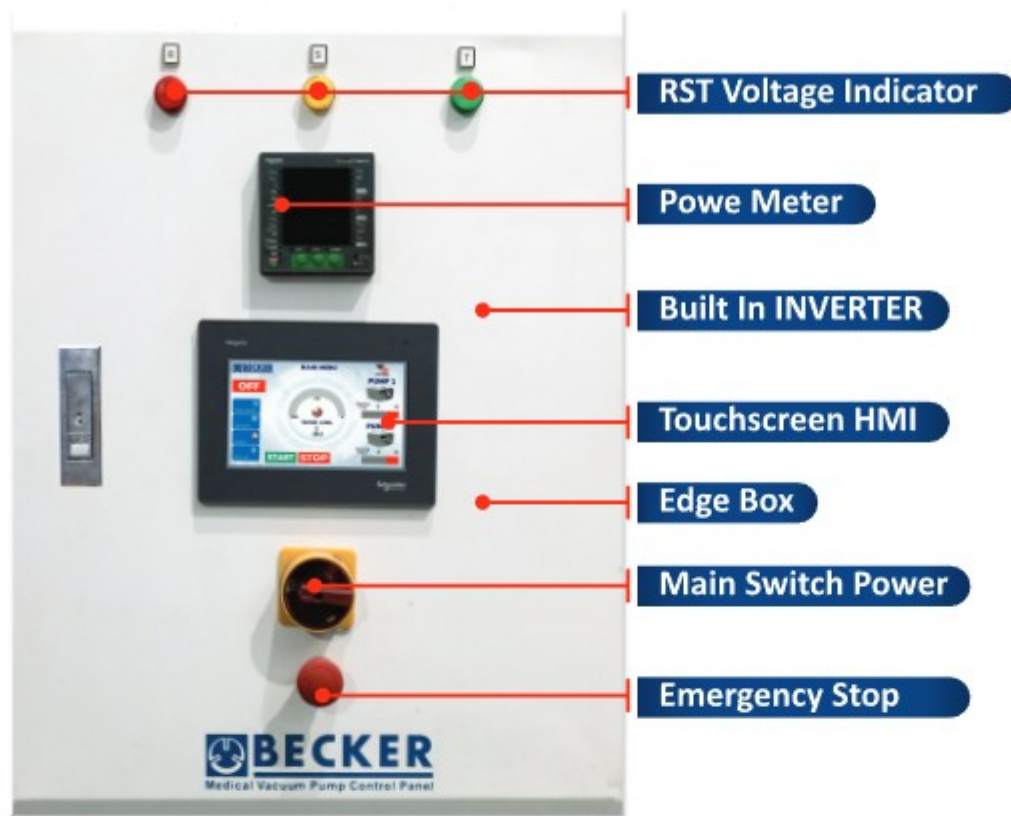
NAME	Standard	Intidaya Online Monitoring System
Mcb	LS/Schneider	Schneider
Overload Contactor	LS/Schneider	Schneider
Relay	Omron	Omron
Ampere & Volt Meter	Digital	Power Meter
Hour Meter	Digital	Power Meter
Vacuum Switch	Digital	Transducer 4-20 MA
Work System	PLC (Omron /Schneider)	PLC (Schneider)
Proteksi (phase Failure)	Yes	Yes
Touchscreen	No	Yes
Controllable Pump	3 unit	3 - 10 unit

ONLINE CENTRAL VACUUM SYSTEM CONFIGURATION

System Feature

- Periodic maintenance reminder
- Energy efficient due to inverter control
- System can be controlled by flow or vacuum level
- Option for automatic and manual mode
- Up to 10 pumps can be installed in 1 control panel

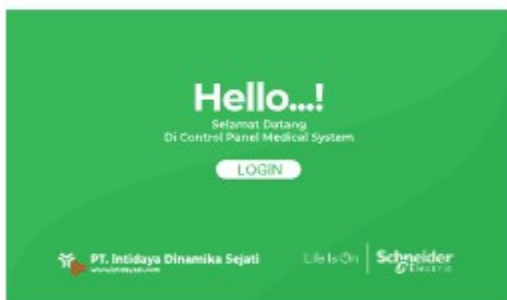




Schneider
Electric



SYSTEM FITUR





Service Tools



Flir Thermal Imaging



Flow Meter



CMM
(Coordinate Measuring Machines)



Leak Detector



High Vacuum Gauge



Non Destructive-Test (PT&UT)



Insulation Test



Resistance Test



**Clamp Meter
Current Test**



SKF Heater Bearing



Pump Housing, Rotor & Lid Analysis Process



Parts Machining Preprocess



Motor Rewinding Process

Pump Assembly Process



Rietschle VC 150

Busch Mink 1252

Busch Cobra NC 630 B

Becker VARIAIR

We Also Service :





Pedro Gil

Pedro Gil, since 1897 in Barcelona-Spain innovating in technology.

We support customers world wide providing excellent customer support and keeping straight relationship with customers. Our corporate values are: innovation, customer focus, product quality and service. In Pedro Gil, we have been providing technologically advanced, high performance air blowers with excellent durability, for more than 100 years.



BPG

Pedro Gil products – Pressure and Vacuum Our specialities are the areas of Pressure and Vacuum.

A wide range of options offering the most technologically innovative solutions in the sector is available for each of these



Highlights

- 1 Accessibility**
Improving access to the main points of maintenance
- 2 Maintenance**
New point of maintenance located in the front and rear acoustic hood panels, optimizing space
- 3 Electronic Panel**
New electronic control panel for measuring temperature, pressure, vibration and oil level (Intranet connection is optional)
- 4 Level**
Oil level visible from outside the acoustic hood.
- 5 Changes**
Quick change of filter cartridge, opening the door of the acoustic hood
- 6 Oil Change**
New oil system for an easy filling and emptying
- 7 Belts**
Easily tension without having to dismantle the acoustic hood
- 8 Acoustic hood Floor**
It is included for an easy transport
- 9 Safety Valve**
Installed in airflow for aspiration
- 10 Easy Move**
The new acoustic hood design allows an easy handling



PG-30 group includes:

- A three lobes blower.
- The air filter-silencer, connected on the blower's inlet flange.
- The reactive silencer placed on the outlet side. It is metallic and ecological. It is also the base-frame for the blower and motor.
- The drive is by an electrical motor through v-belts and pulleys (taper-lock system).
- The belt guard is made from steel sheet also with acoustic hood.
- The relief valve designed to evacuate air or gas when the pressure is over.
- The check valve protects the blower against a back pressure when the blower stops and the pipe is pressurized.
- The flexible rubber sleeve with clamps connects the group with the pipe.
- Filling and emptying oil system.
- The elastic feet, support the group.

Construction Features

Manufacturing materials

Cylinder Headplate Gear & Bearing housing	Cast iron GG-25
Shaft-Piston Sizes 30.05 to 33.30	Forged steel CK-45
Pistons Sizes 34.10 to 36.20	Cast iron nodular GGG-50
Shafts Sizes 34.10 to 36.20	Steel CK-45
Gears	Steel 18 Cr Mo4



TECHNICAL DATA ROOTS BLOWER RNT

Type RNT	DN	Flow Meter (m³/min)		Speed (RPM)		Pressure Level (mbar)		Power (kW)	
		Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
30.10	DN 50	0,74	3,96	1400	4800	300	900	1,5	11
30.20	DN 80	1,15	5,57	1400	4800	300	1000	2,2	15
30.30	DN 80	1,55	7,74	1400	4800	300	800	2,2	18,5
31.10	DN 80	1,77	7,86	1400	4800	300	1000	2,2	30
31.20	DN 100	2,54	10,92	1400	4800	300	1000	3	30
31.30	DN 100	4,00	15,70	1400	4800	300	800	4	30
32.10	DN 100	3,33	16,41	1400	4800	300	1000	4	37
32.20	DN 100	5	23,07	1400	4800	300	1000	5,5	55
32.30	DN 150	7,04	34,1	1400	4800	300	800	7,5	75
33.10	DN 150	6,30	25,57	1100	3800	300	1000	7,5	75
33.20	DN 150	9,62	37,92	1100	3800	300	1000	11	90
33.30	DN 150	13,87	46,67	1100	3800	300	800	15	90
34.10	DN 200	11,77	40,38	970	2950	300	1000	11	90
34.20	DN 200	15,90	54,15	970	2950	300	1000	15	132
34.30	DN 200	22,67	79,84	970	2950	300	700	22	132
35.10	DN 200	16,42	64,60	700	2400	300	1000	18,5	160
35.20	DN 250	22,23	88,46	700	2400	300	800	30	160
36.10	DN 250	33,96	93,38	700	1800	300	1000	30	250
36.20	DN 300	51,89	144,38	700	1800	300	800	55	315

TECHNICAL DATA ROOTS BLOWER BPG

Type RNT	DN	Flow Meter (m³/min)		Speed (RPM)		Pressure Level (mbar)		Power (kW)	
		Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
BPG15-B4-V	DN 50	0,90	4,0	1500	5000	300	900	1,5	11
BPG25-B4-V	DN 65	1,1	5,3	1500	5000	300	700	2,2	11
BPG35-B4-V	DN 80	1,9	8,0	1500	5000	300	1000	2,2	22
BPG45-B4-V	DN 80	2,9	11,5	1500	5000	300	1000	4	30
BPG46-B4-V	DN 100	4,6	18,2	1500	5000	300	700	5,5	37
BPG55-B4-V	DN 100	4,7	17	1500	4800	300	1000	4	45
BPG65-B4-V	DN 150	6,4	22,8	1500	4800	300	1000	5,5	55
BPG66-B4-V	DN 150	8,6	32,5	1500	4800	300	700	7,5	75
BPG75-B4-V	DN 150	9,8	26,6	1500	3800	300	1000	7,5	75
BPG85-B4-V	DN 150	14,4	39,0	1500	3800	300	1000	11	110
BPG86-B4-V	DN 200	18,70	52,10	1500	3800	300	700	15	90
BPG95-B4-V	DN 150	16,30	43,20	1200	3000	300	1000	15	110
BPG105-B4-V	DN 200	21,20	56,30	1200	3000	300	1000	18,5	132
BPG106-B4-V	DN 200	28,90	78,80	1200	3000	300	700	22	132
BPG115-B4-V	DN 200	23,40	67,30	900	2400	300	1000	18,5	160
BPG125-B4-V	DN 250	30,40	86,90	900	2400	300	1000	22	200
BPG126-B4-V	DN 250	41,90	124,50	900	2400	300	700	37	200
BPG135-B4-V	DN 250	45,5	104,6	900	2000	300	1000	37	250
BPG145-B4-V	DN 300	66	151,6	900	2000	300	1000	55	355
BPG155-B4-V	DN 300	83,40	194,50	900	2000	300	700	75	315
BPG165-B4-V	DN 300	72,60	174,90	650	1500	300	1000	75	400
BPG175-B4-V	DN 350	101,60	242,30	650	1500	300	1000	90	500
BPG205-B4-V	DN 400	129,90	263,30	600	1200	300	1000	110	600
BPG225-B4-V	DN 500	193,50	398,80	600	1200	300	700	160	600

HIGH VACUUM ROOTS BLOWER



RNTP

VACUUM

- Flow Capacity : 1.1 up to 141 m³/min
- Pressure : 0 up to -8 mbar
- Power Motor : 1.1 up to 250 kW

TYPE RNTP		30.20	31.20	32.20	33.20	34.20	35.20	36.20
Max. Delivery	m ³ /min	4.03	7.31	21	27.5	40.35	63.4	92
Max. Delivery	m ³ /h	241.8	438.6	1260	1650	2421	3804	5520
Max. Speed	rpm	4725	4734	4736	3713	2950	2380	1675
Max. Vacuum	mbar	700	700	700	800	800	800	800
Max. Drive Power	KW	11	18.5	45	75	110	160	250
Connection Flang DN	mm	80	100	100	150	200	250	300
Weight	kg	67	112	198	315	428	670	1400

VACUUM BOOSTER



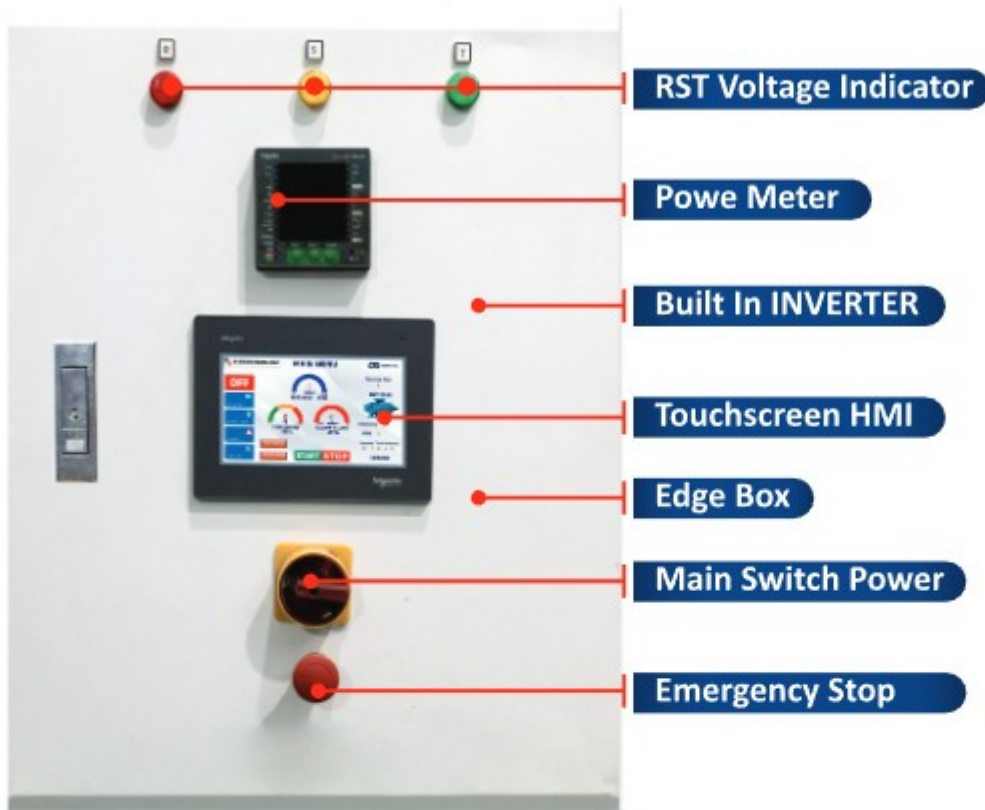
RVB

VACUUM BOOSTER

- Flow Capacity : 200 up to 15558 m³/h
- Pressure : -130 up to -30 mbar
- Power Motor : 0.8 up to 30 kW

TYPE RVB		20.10	20.20	21.20	21.30	22.20	22.30	23.20	23.30	24.20	25.10	25.20	26.20	26.30	27.10	27.20
Rated suction flow	m ³ /h	200	280	500	740	1000	1430	2000	2880	3725	3725	7295	7954	9470	11515	15558
Rotation speed	min	2850	2850	2860	2860	2895	2895	2910	2910	2915	2915	2930	1460	1460	1465	1465
Max. pressure (difference with continuously)	mbar	130	80	80	80	80	66	50	40	50	50	50	50	40	40	30
Motor power	KW	0,8	1,1	2,2	3,0	4,0	4,0	5,5	7,5	11,0	11,0	18,5	22,0	22,0	30,0	30,0
Normal supply voltage, 50 Hz	V	230/400	230/400	230/400	230/400	230/400	230/400	230/400	400	400	400	400	400	400	400	400
Oil Capacity in oil box A/B	Ltr	0,7/1,1	0,7/1,1	1,22/1,75	1,22/1,75	1,75/2,75	1,75/2,75	3,4/5,3	3,4/5,3	5,5/9,4	5,5/9,4	8,3/15,8	18/30	18/30	30/38	30/38
Oil capacity shaft passage seal	Ltr	0,06	0,06	0,07	0,07	0,08	0,08	0,1	0,1	0,15	0,15	0,2	0,25	0,25	0,3	0,3
Consumption cooling water	Ltr/h	60	60	80	80	100	100	120	120	140	140	160	180	180	200	200
Weight Roots pump with motor	kg	73	85	130	158	240	270	360	400	580	580	850	1600	1700	2490	2690
Weight of pump (free shaft)	kg	62	76	115	135	208	245	320	360	460	460	710	1450	1550	2250	2450

CONTROL PANEL

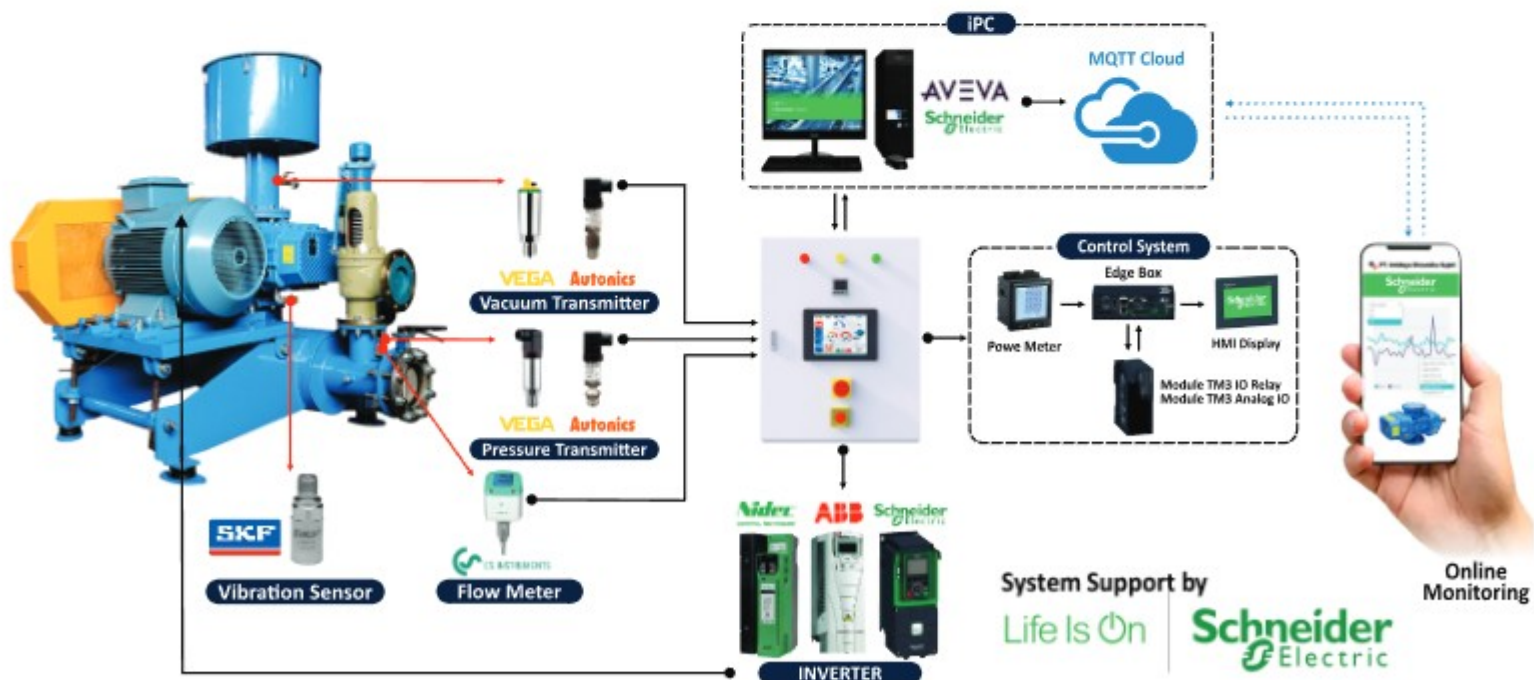


Built In INVERTER

System Feature

- Higher efficiency due to inverter, pressure sensor & flow meter
- Good system protection because there are mechanical protection & electrical protection
- Easy maintenance as there will be periodic reminder on HMI

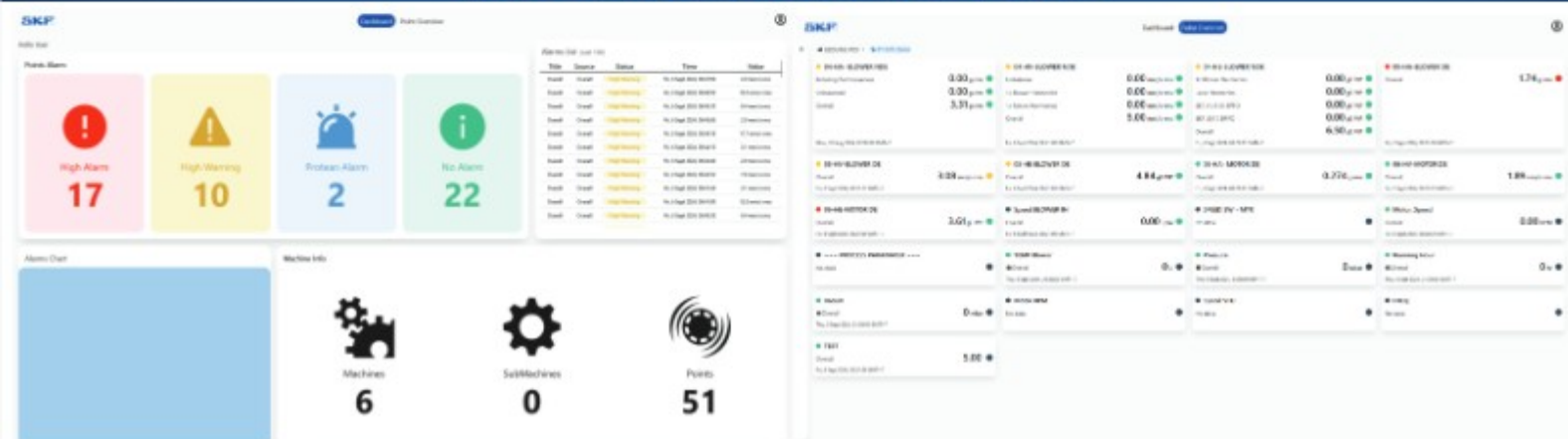
Intidaya Online Monitoring System



WEB MONITORING



SKF VIBRATION MONITORING



TYPE ECONOMY



PRESSURE



VACUUM

All Type Include

1. Intake Filter
2. Air Filter Cartridge (Optional)
3. Pressure/Vacuum Relief Valve
4. Butterfly Valve
5. Roots Blower
6. Motor
7. Cover V Belt + Pulley
8. Rubber Mounting
9. Baseplate Type Economy

Exclude

- V belt
- Pulley Motor + Tepper Lock
- Pulley Blower + Tapper Lock

Detail



TYPE PREMIUM



PRESSURE



VACUUM

All Type Include

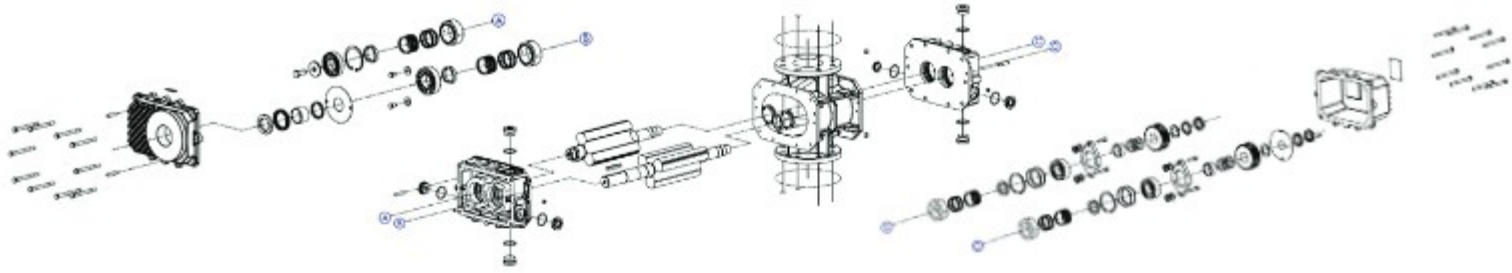
1. Intake Filter
2. Air Filter Cartridge (Optional)
3. Pressure/Vacuum Relief Valve
4. Butterfly Valve
5. Flexible Join
6. Check Valve
7. Discharger Silencer
8. Roots Blower
9. Motor
10. Cover V Belt + Pulley
11. Rubber Mounting
12. Pressure Gauge
13. Vacuum Gauge
14. Baseplate Type Premium

Exclude

- V belt
- Pulley Motor + Tepper Lock
- Pulley Blower + Tapper Lock

Detail





Description

1. Sealing Chamber
2. Sealing Spacer
3. Bearing
4. Oil Blower (Syntetic 220)
5. Ring Piston
6. Oil Seal
7. Gear
8. Internal Ring

ACCESSORIES



Pressure Relieve Valve



Butterfly Valve



Vacuum Gauge



Flexible Join

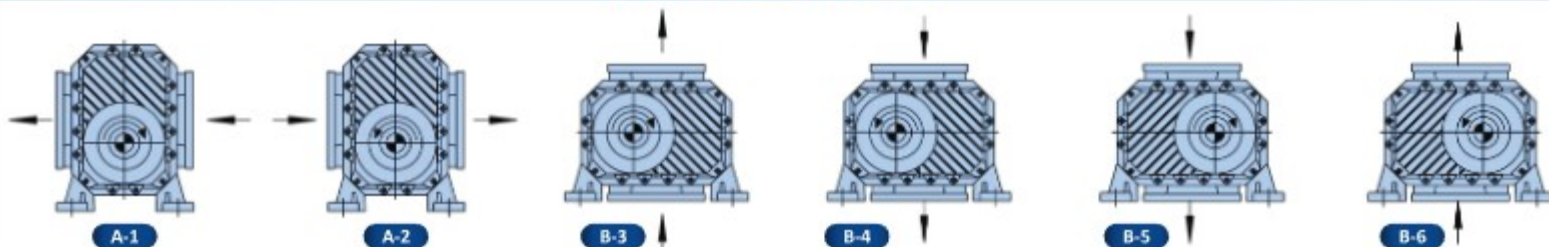


Check Valve



Pressure Gauge

FLANGE EXCUTION





New Installation Of Pedro Gil



Pedro Gil Installed at Existing Baseplate



Fabrication Process



Finish Product



Accoustic Hood



Our Stock Roots Blower



SERVICE TOOLS



Flir Thermal Imaging



Leak Detector



Flow Meter



SKF Microlog



SKF PULSE
Vibration Sensor



SKF Shaft Alignment



SKF Belt Allignment



Belt Tension



Non Destructive-Test
(PT&UT)



Noise Checker



CMM
(Coordinate Measuring Machines)



SKF Heater Bearing



Insulation Test



Resistance Test



Clamp Meter
Current Test



Roots Blower Rotor Gear, Analysis, Repair & Balancing Process

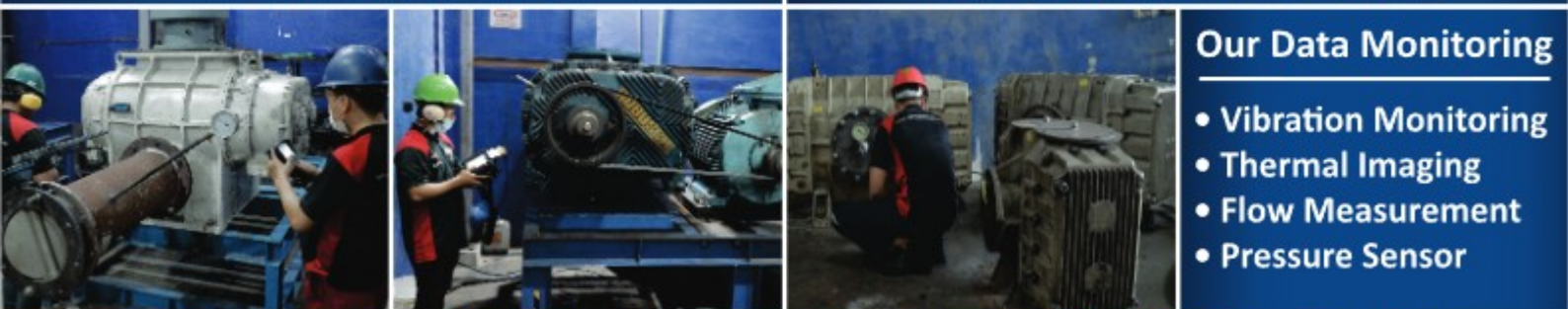


Sideplate, Bearing Housing Analysis & Repair Process



Fabrication Sealing Kit

Roots Blower Assembly Process



Our Testing Facility: Full Load with Inverter Maximum at 160 KW & Blower DN 600

We Service All Brand Roots Blower

Our Data Monitoring

- Vibration Monitoring
- Thermal Imaging
- Flow Measurement
- Pressure Sensor



AERZEN

ROBUSCH
PUMPS • BLOWERS & COMPRESSORS

hibon

LONGTCH

KAESER
COMPRESSORS

Atlas Copco



DEW Point Sensor

- Dew point measurement in the compressed air after adsorption dryer, membrane dryer, refrigeration dryer
- Pressure-tight up to 350 bar (special version)



DEW Point Monitoring

- Read the operational DEW Point parameter with graphic display and touchscreen



Oil Check 400

- Measuring system for recording
- Vapour and gas-containing hydrocarbons in compressed air



Flow Meter

- Flow meter applicable in existing pipe from 1/2" to DN 1000



OIL Content Measurement

- For permanent and highly precise measurement of the vaporous residual oil content from 0.001 mg/m³ to 2.5 mg/m³

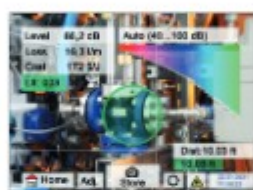


Data Logger

- Mobile DEW Point device in a sturdy service case
- Integrated DEW point sensors,
- Integrated Pressure Sensor
- Integrated Chart recorder



Leak Detector



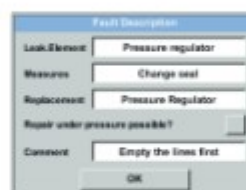
Detect A Leak

The device indicates the leakage rate in (l/min or cfm).



Remedy The Leak

Efficiency and clarity also for elimination of leaks.



Define The Location

The location of each leak can be stored: Company / building / location



Spare Part List in The Device

The software can be used to transfer a custom spare parts list to the device.

COMPRESSOR SERVICE





We Services All Brands Of Air End



Bearing



Bearing

Mounting



Heater Bearing

Fitting Tools

 Hydraulic
Jaw Pullers

Oil Injectors

Condition Monitoring



CMTD

 Microlog
Analyser dBX

 Multilog On-line
systems Imx

Machine Learning Software



@ptitude Analyst



SKF Quick Collect



Bearings

Semua jenis bearings SKF tersedia lengkap di gudang kami

Lubrication

Tersedia dari Grease, Lubrication Management tools and Analysis Pack, sampai Multi-point Lubrication System

Seals

Tersedia Oil Seal dari Rotating Shaft Seal, Speedi Sleeve sampai Hydraulic Seal.

Maintenance Product

Tersedia alat pemasangan dan pembongkaran bearing sampai alat alignment shaft dan belting

Power Transmission

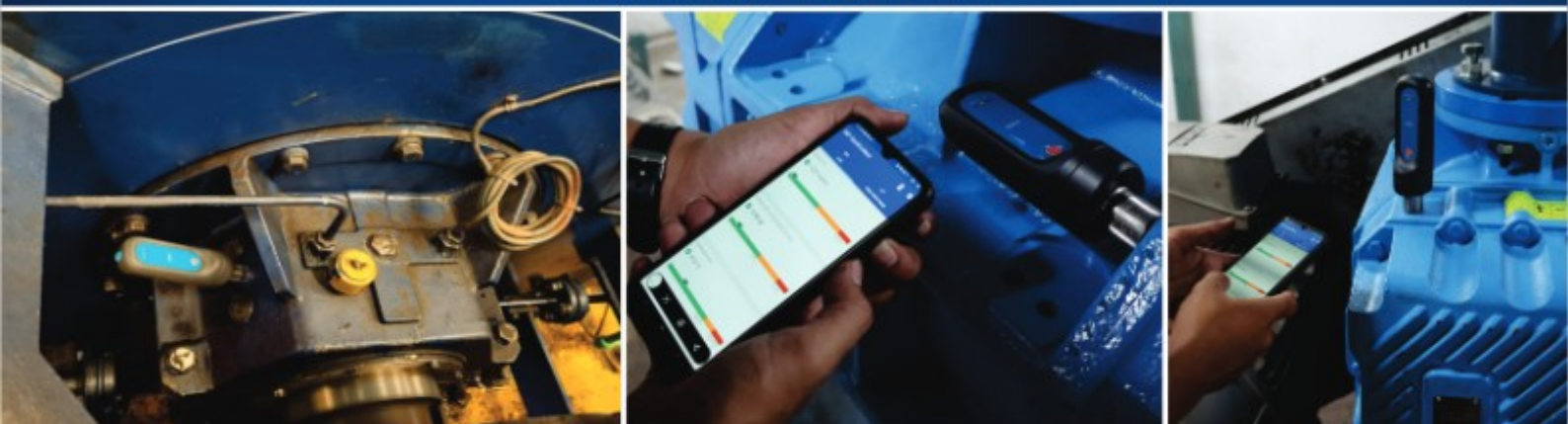
Tersedia dari Conveyor Chain, Roller Chain, Sprocket, Coupling, Pulley, Belting, sampai Bushing and Hubs

Condition Monitoring

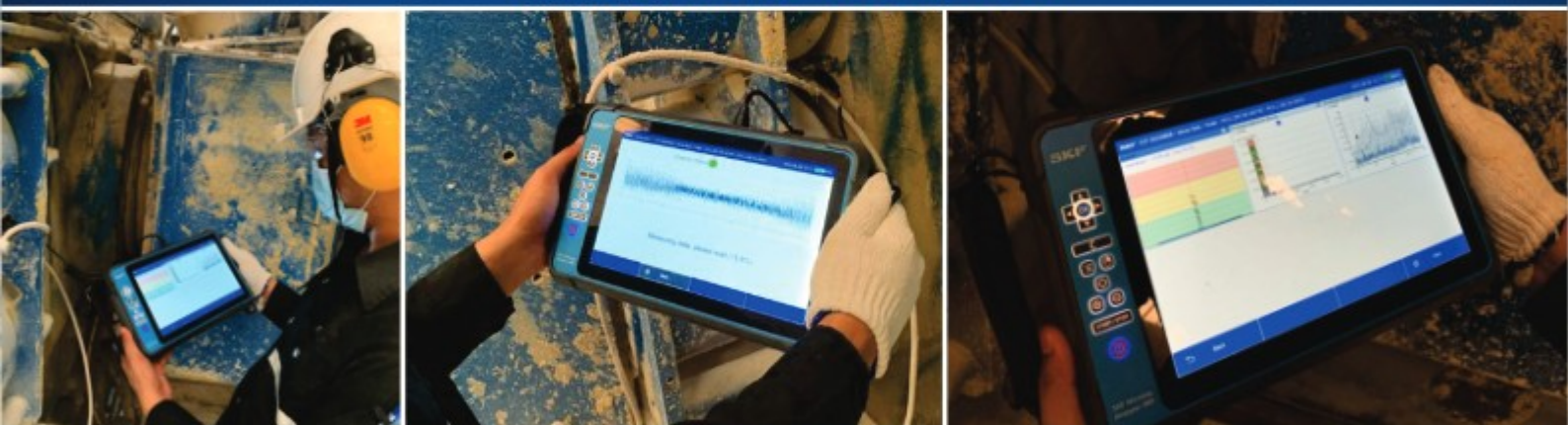
Tersedia alat pemantauan kondisi mesin vibrasi dasar dan vibrasi grafik, kecepatan, temperatur, suara visual, sampai arus listrik



Installation Alignment



Vibration Portable with CMDT SKF



Microlog CMVA 90-F-CK-SL Analyzer dBX



Heater Bearing Portable TWIM 15 SKF

Belt alignment TKBA 40



INDUSTRIAL REPAIR

Rotating Equipment Specialist

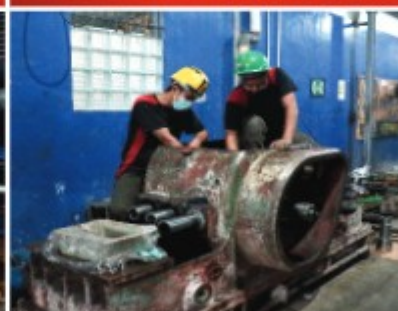
(Rewinding, Overhaul & Services)

SKF

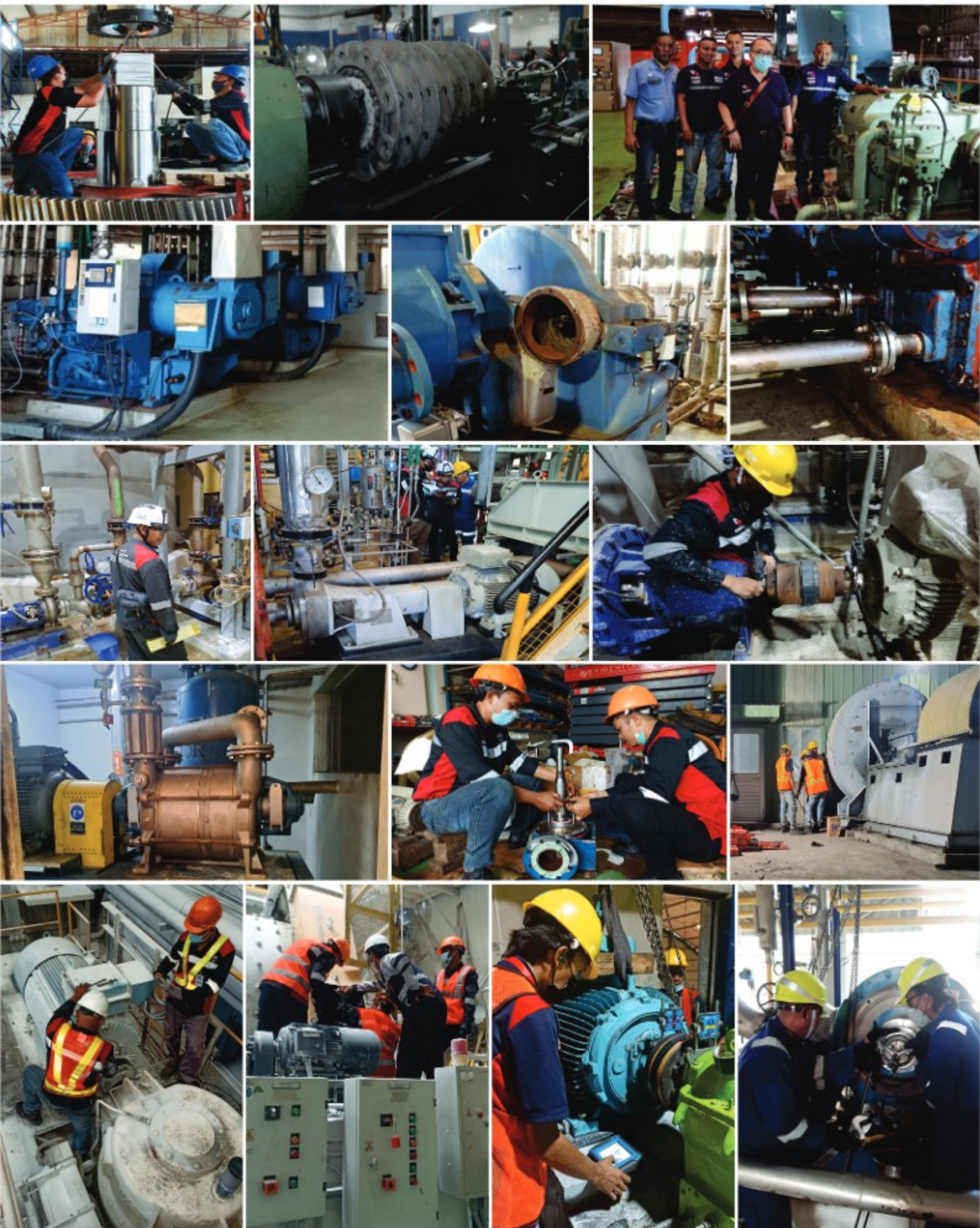
PT Intidaya Dinamika Sejati

Service Distributor


Rotary Valve/Air Lock

Centrifugal Fan
Centrifugal Pump

Liquid Ring
Dosing Pump

Gearbox Helical
Gearbox Vertical to Horizontal
Wing Compressor





Material Selection Chart

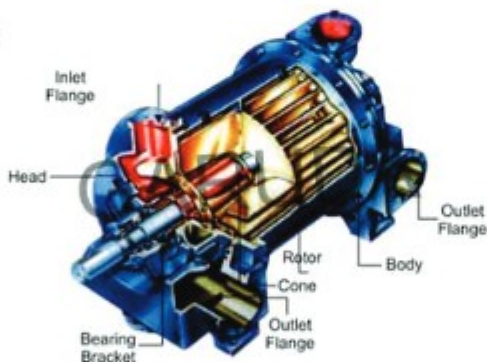
Optional	: 316L, 410 SS, Ph.Bronze, Alloy-20
GX	: Standard Cast Iron FG – 260 with Rotor in S.G. Iron / Ductile Iron.
GXS	: Rotor and Control Cones in 304 / 316 Stainless Steel Shaft in 410 SS
GCSC	: Body – Cladded with 316 SS Head – Cladded with 316 SS

Testing Standards :

Each pump is subject to rigorous test runs at our Solid Concrete Test Bed facilities in accordance with HEI Standards for LRV's (NASH ORIFICE METHOD) / BS 1571 PT – 2 PNEUROPE LTD. Authenticating the Power, Vacuum and Air Displacement Parameters, each pump is certified for its performance.

GSC Series Single Cone Vacuum Pump

Suction Capacity	: 220 to 5000m ³ /hr
Power Consumption	: 7.5 kw to 132 kw
Maximum Vacuum	: 710 mm of Hg (G)



Special Features :

- Power Efficient : Highest CFM per BHP Ratio
- Higher Displacement-More Suction Volume: 20 Vane rotors handle more air than conventional 16 Vane rotors
- Provision for spray nozzles at suction flanges
- Removable Bearing Brackets-Easy & Quick Maintenance
- Two Independent Vacuum Operations

Our Product



GXL Series



909 Series



TRI-DISC Series



GWV Series

Equivalent Of

NASH





AC Electromotor



AC Slipping Motor



Transformer



Submersible Pump



Generator



Generator



Support by our experience engineer and technician, we perform rewinding and modification to all types of :

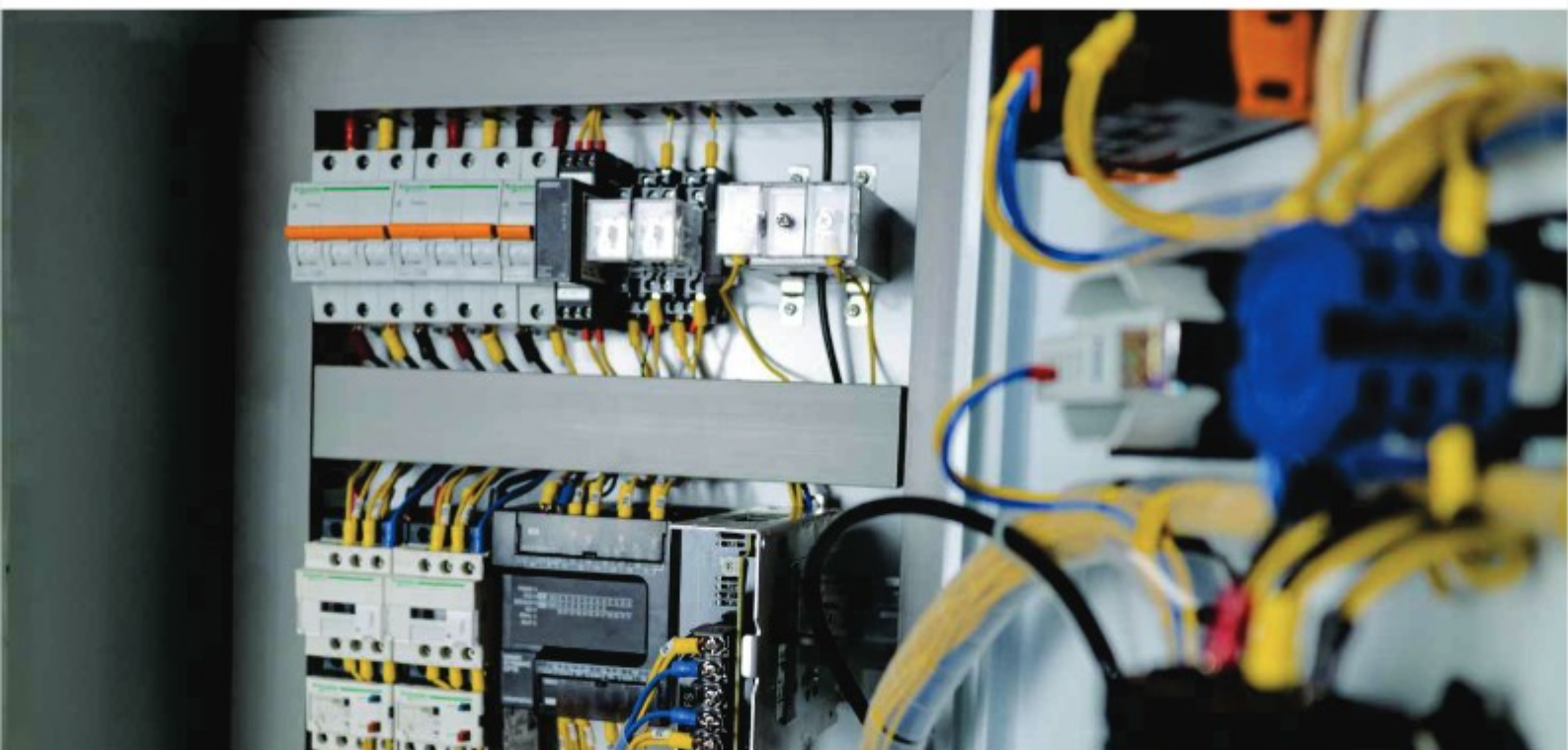
- AC Electromotor (LV, MV, HV)
- AC Slipping Motor

- DC Electromotor
- Generator

- Transformer
- Submersible Pump

- Traction Motor
- Redesign & Upgrade Capability

Our Service



Authorized Partner

Schneider
Electric

OMRON

LS

Danfoss

Autonics
SENSORS & CONTROLLERS

ABB



56 Features

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Digitalizing Reliability: Transforming PT Intidaya Dinamika Sejati's Operations

As PT Intidaya Dinamika Sejati transitions from manual processes to advanced digital solutions, Jonathan Kartawijaya, Managing Director, discusses the challenges, technological innovations, and the significant impact of digital transformation on operational efficiency and sustainability.

DIGITAL TRANSFORMATION JOURNEY

PT Intidaya Dinamika Sejati faced challenges such as unstable operations, inefficiencies of manual processes, and frequent production failures leading to material loss. Could you elaborate on these challenges and how they influenced the decision to digitize your roots blower production and operations?

We provide vacuum pumps and roots blowers for industrial-scale applications. Since being founded in 1969, the company has grown and increasingly delved into new areas. Today, we offer maintenance services and solutions tailored to our partner's requirements.

Most of our customers use root blowers for powder handling, clean water processing, and wastewater treatment. Traditionally, roots blower

supervision was carried out manually. This could lead to downtime, production failure, and material loss. As roots blowers cannot stop its operation because its function is so vital, this meant supervision had to be constant. After working with Schneider Electric for three years, we have gone from zero to a complete digital solution. The online monitoring system adds tremendous value to customers, delivering new levels of reliability.

TECHNOLOGICAL IMPLEMENTATION

The implementation of Schneider Electric's EcoStruxure solution has been transformative for Intidaya. How have cloud, analytics, IoT, mobility, sensing, and automation technologies specifically contributed to achieving a 43% improvement in energy efficiency and up to 100% engineering efficiency?

The impact of the technology has been staggering. We deployed a solution that combines EcoStruxure Automation Expert, a Soft PLC license, and the Harmony Edge Box. This open, software-defined automation platform seamlessly integrates sensors and systems.

Compared with traditional hardware automation systems, EcoStruxure Automation Expert makes the interoperability of software applications far less complex and time-consuming. It is designed to handle both real-time control and any-time services. Using IntiVA Edge, the cloud-based condition monitoring software, we can monitor the usage and condition of the roots blowers remotely in real-time to ensure steady and consistent output. Previously, our engineers would be onsite almost constantly to access them and make repairs.

These solutions have revolutionized our operations and delivered better outcomes for our customers. We have seen energy efficiency improve by 43%, engineering efficiency increase by up to 100%, and operations become 100% effective.

OPERATIONAL IMPACT

Transitioning to a fully digitized and automated monitoring system can be daunting. What were some of the significant hurdles Intidaya encountered during this transition, and how did you manage to overcome them? Can you share any specific strategies or tools that were particularly effective?

One of the greatest challenges we faced was building trust with key stakeholders, specifically on the benefits of a digital system and proving

that the Indonesia market is ready for the technology.

With the help and support of Schneider Electric team in Surabaya, we were able to achieve this. The team was able to provide hands-on demonstrations so that customers could see the benefits first-hand and buy into the technology.

SUSTAINABILITY AND EFFICIENCY

Sustainability and operational efficiency are critical in modern industry. How has the integration of digital technology and automation impacted your sustainability efforts, particularly in terms of energy savings and reducing your environmental footprint? Please provide specific examples from your experience.

While the operational benefits of the collaboration were key, the monitoring solutions provided added value to our business. Due to digitalization, we can assess and optimize power usage to ensure there is always supply to meet demand and improve environmental sustainability.

Digitalization has changed our technology model and enabled us to understand the full potential of industrial automation. We have effectively future-proofed our business and ensure we can seamlessly drive sustainability and layer on new digital technology when they will drive results.

BUSINESS AND PRODUCT VALUE

The case study highlights that digitalization has increased Intidaya's product and business value. Can you discuss in detail how these technological advancements have enhanced the quality and performance of your vacuum pumps and roots blowers, and how this has translated into tangible business benefits?

At Intidaya, we are constantly looking to improve the reliability, efficiency, and quality of service. With the help of Schneider Electric, we have been able to seamlessly integrate assets and systems to improve visualization of data. This has driven consistent and reliable production times, improved

maintenance and service, as well as faster delivery to customers.

Digitalization has supported us a long way in our mission to achieve zero breakdowns and reduce maintenance costs for our customers. With the help of Schneider Electric, we are now able to see our pumps mechanical conditions and electrical usage with ease.

CUSTOMER EXPERIENCE AND SUPPORT

Providing 24/7 customer support and real-time remote condition monitoring are significant improvements. How have these capabilities improved your customer service and satisfaction? Are there any notable customer feedback or success stories that illustrate the positive impact of these enhancements?

We are now able to monitor our pumps conditions 24/7. This means our customers don't have to waste hours on traveling to rural areas of Indonesia to check filter and bearing conditions, and only carry out work when there is an alarm from the system. This alarm system is customizable, allowing our customers to set different parameters for different applications and sites.

FUTURE OUTLOOK

Looking ahead, what are Intidaya's plans for further technological advancements and digitalization? How do you foresee these developments shaping the company's growth and the broader industrial machinery industry in Indonesia?

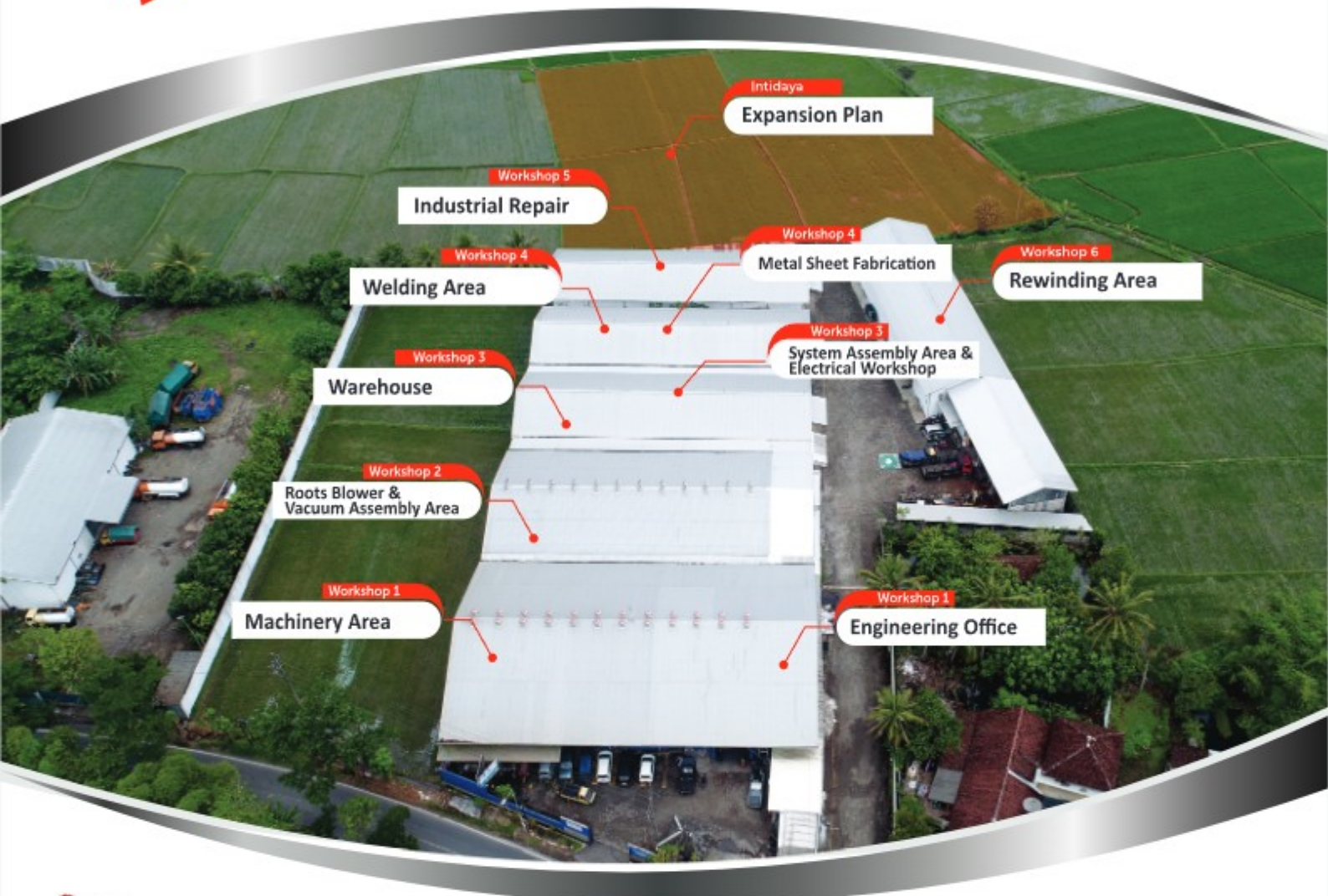
The digital system provides the backbone for the future of our operations, and we are looking to expand it to provide a more detailed, deeper analysis of equipment data.

We strongly believe that digitalization sits at the heart of our business and will give us the data to make the best possible decisions. The days of manual onsite checks are numbers – the future is digital.





PT. INTIDAYA DINAMIKA SEJATI



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Semarang

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Blok C18 - Ungaran Timur
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BECKER



PEDRO GIL



PT Intidaya Dinamika Sejati
Service Distributor