



PROFILE

Research & Development Engineering Company specializes in precision engineering development and manufacture of high performance mechanical components and systems. The company integrates the talents of our team of dedicated professionals who have experience in engineering analysis, to manufacture parts and systems by reverse or original engineering. The products manufactured are of high quality and reliability.

Research & Development Engineering Company prides itself in its technical and management skills. For each product, the requirements of the client are analysed. They are reduced into technical terms after the operating conditions and requirements are understood. This data is then converted into technical drawings, material tests, manufacturing layouts, operating instructions, inspection instructions, sourcing of appropriate materials etc. and taken through the paces of controlled manufacturing, right up to the final inspection and certification. The entire procedure from the inception of a concept to the last detail is documented and is traceable.

Our workshop is equipped with state of the art CNC machining and turning centres as well as conventional machines, surface treatment facilities and specialized welding equipment.

Our clientele include, Power Plants, the Maritime, the Fertilizer, the Chemical, the Petrochemical, the LPG, the Sugar, the Lighting, the Aviation and the Automotive industries.

Attention to detail is our forte.

Services Offered:

- Precision Machining Services, using Conventional and Computer Aided Manufacturing (CAM) Tools.
- Product Development by Reverse Engineering.
- Tool Design & Manufacturing of Dies & Molds.
- Manufacture of Flow Control Devices and Valves.
- Manufacture of high volume, high precision small sized components.
- Manufacture of Sheet Metal Tooling and Components.
- Consultancy on preparation of Engineering Drawings, Manufacturing Layout & detailed Operating Instructions for machining atypical products.

RESEARCH & DEVELOPMENT
ENGINEERING COMPANY

No. 176, Sector-23,
Korangi Industrial Area,
Karachi-74900, Pakistan.

Tel : (92-21) 5061004, 5067668
Fax : (92-21) 5066416
e-mail: info@r-and-d.com.pk

past endeavour - our presence - your future

www.r-and-d.com.pk

MACHINERY LIST

RESEARCH & DEVELOPMENT
ENGINEERING COMPANY

No.	MACHINE	TYPE
MILLING MACHINES		
1	DECKEL MAHO GILDEMEISTER _____	CNC MACHINING CENTER
2	MATSUURA-FANUC _____	CNC MACHINING CENTER
3	MATCHMAKER _____	CNC MILLING
4	SAJO _____	VERT/HORIZ/SLOTING
5	SAJO _____	HORIZONTAL MILLING
6	GAMBIN _____	UNIVERSAL MILLING
7	BRIDGEPORT _____	UNIVERSAL MILLING BY ADCOCK-SHIPLEY
LATHES		
8	GILDEMEISTER _____	CNC TURN-MILL WITH TURNPLUS SOFTWARE
9	TSUGAMI SWISS TURN _____	CNC SLIDING HEAD WITH SUB SPINDLE
10	TSUGAMI SWISS TURN _____	CNC SLIDING HEAD
11	AUTOMATIC BAR FEEDER _____	HYDROBAR ST-326 WITH SIEMENS CONTROLLER
12	AUTOMATIC BAR FEEDER _____	HYDROBAR ST-326 WITH SIEMENS CONTROLLER
13	MORI SEIKI-FANUC _____	CNC LATHE
14	MORI SEIKI-FANUC _____	CNC LATHE
15	BINNS & BERRY _____	HEAVY DUTY LATHE-10FT.
16	HERBERT _____	PRODUCTION LATHE
17	ARGUS Es&Es _____	CENTRE LATHE-6 FT
18	ELLIOTT _____	CENTRE LATHE-4FT.
19	JOHN LANG _____	HEAVY DUTY SHORTBED LATHE
20	BECO _____	CENTRE LATHE-6 FT
SHAPER		
21	ORMEROD _____	SHAPER
GRINDING		
22	SCHAUDT _____	CYLINDRICAL ANGULAR APPROACH GRINDER
23	MAKINO _____	TOOL AND CUTTER GRINDER
24	AB ARBOGA _____	BENCH GRINDER, HEAVY DUTY
25	CHURCHILL _____	CYLINDRICAL GRINDER
26	SERIVENER _____	SURFACE GRINDER
DRILLING		
27	EMA _____	RADIAL DRILLING
28	AUERBACH U. SCHEIBE _____	Special feature: 375 to 6000 rpm, gearless speed change.
PRESSES		
29	75 TON _____	HYDRAULIC PRESS
30	45 TON _____	MECHANICAL PRESS
31	15 TON _____	MECHANICAL PRESS
32	TAYLOR & CHALLEN LTD. _____	MECHANICAL PRESS 70 TON
OTHERS		
33	WINSTON _____	PLASTIC INJECTION MOLDING
34	SB _____	POWER HACKSAW
35	TACK GABRIEL _____	AIR COMPRESSOR
36	ULTRATROC AIR DRYER _____	REGRIGERATED AIR DRYER & ULTRA AIR FILTERATION UNIT
37	DEUTZ _____	100 KVA GENERATOR
38	DO ALL _____	CONTOUR BAND SAW
39	POWER VOLTAGE STABILIZERS _____	HEAVY DUTY SERVO MOTOR TYPE
40	POWER TOOLS _____	MISCELANEOUS
WELDING		
41	MILLER _____	TIC WELDING PLANT
42	HOBART _____	TIG WELDING PLANT
43	OTC DYNA AUTO Xs _____	MIG WELDING PLANT
44	NATIONAL _____	3 PHASE, ELECTRICAL ARC
45	NATIONAL _____	2 PHASE, ELECTRICAL ARC
46	PARAGON _____	HEAVY DUTY SPOT WELDING PLANT
47	VICTOR _____	2 SETS, GAS WELDING PLANTS
HEAT TREATMENT		
48	FRIED-KRUPP _____	ELECTRIC MUFFLE FURNACE
INSPECTION EQUIPMENT		
49	NIFE _____	PROFILE PROJECTOR
50	POWER TECH _____	MAGNETIC PARTICLE INSPECTION
51	MITUTOYO _____	MICROMETERS AND VERNIERS ETC.
52	PMTF _____	SURFACE PLATE
53	HARDNESS TESTING MACHINE _____	INDENTEC HARDNESS TESTING MACHINE
54	MITUTOYO _____	ROUND TEST
COMPUTERS		
55	CAD & CAM integrated facility	

OUTSOURCED CAPABILITY:

MATERIAL TESTING:

Tensile tester
Micro Hardness tester
Emission spectroscope

HEAT TREATMENT:

Carburizing and Nitriding furnace
Salt Bath

INSPECTION:

Coordinate Measuring Machine

SPRAY METALIZING:

Plasma spray

SURFACE TREATMENT:

Anodizing, phosphating, plating