



GEDEE WEILER - Flex Turn



MAKINO - 3 Axis Milling Machine



MITUTOYO - CMM

Profile

UMS Technologies, established in the year 1957 is a pioneer engineering company with high tech designing facilities and sound infrastructure manufacturing a variety of electronic items (primarily manufacturing electronic consumer products).

With the state of art facilities and experience gained over the years, we have been specializing in the manufacture of very high precision aerospace components, medical equipments, assemblies, parts, heart valves, computer components, automobile accessories.

We cater precision parts to multinational companies such as HCL, HP, Visteon, Mitsubishi - Japan, MTL Instruments - UK, Festo, Schneider, Siemens, Olho Technik, Hella Germany, etc.

Products

We have entered the aero modeling sector with four types of engines in different capacities (4.01cc, 7.5cc glow engines, 35cc & 70cc gas engines) and a variety of retractable landing gear products & accessories.

All the components are CNC machined from high quality air craft aluminum alloy. These components are manufactured with very high precision and has an advantage of perfect fit and an absolute correct alignment plus extreme rigidity and strength. The landing gear struts has bronze bush inserts for added strength, smooth operation and for longer life.

Design Solution

World Class designing facilities with softwares such as AutoCAD, Autodesk Inventor, Pro/ENGINEER, Unigraphics, Delcam, Cimatron 'E' & Ansys, Geopak-Mcosmos V3.0

The design department is also equipped to transfer data through IGES, Pro-E, STEP and can also perform REVERSE ENGINEERING from a given sample part.

AERO MODELING ENGINES

TWO STROKE - GAS ENGINES

UMS GS 35

- Cylinder type : Cast iron Sleeve / ringed piston
- Construction : CNC machined body, Double ball bearing
- Displacement : 2.14 Cu In (34.8cc)
- RPM Range : 2000-7400 approx
- Weight : 1650g (with spark plug and ignition unit)
- Fuel : Petrol + Lube oil (50:1)
- Propellers : 19 x 11 to 22 x 12 Two Blade
18 x 10 to 21 x 11 Three Blade

Suitable for Models upto 7kg



TWO STROKE - GLOW ENGINES (ABC Type)

UMS 46

- Construction : CNC machined body & silencer pipe, double ball bearing
- Displacement : 0.46Cu In (7.5cc)
- RPM Range : 2300 - 16,000 approx
- Weight : 390g (13.75oz without muffler)
- Muffler Weight : 140g (4.9 oz)
- Propellers : 9x7, 10x5, 10x6, 10x7, 11x5

Suitable for Models upto 2kg



UMS 25

Construction : Diecast body & silencer, bushed bearings
Displacement : 0.25Cu In (4.01cc)
RPM Range : 2000 - 15,000 approx
Weight : 192g (6.77oz without muffler)
Muffler Weight : 53g (1.86 oz)
Propellers : 8x5, 8x6, 9x5, 9x6, 10x5
Suitable for Models upto 1.5kg



LANDING GEARS



12 kg landing gear

12Kg - 85°-90° Turning Retract Kit Three main retract unit
(2 x L10 00 00 0) + (1 x L11 00 00 0) + Hydraulic kit
(1 x L59 00 00 0) + Two 150mm straight Arm
(2 x A15 00 00 0) + One 130mm straight Arm
(1 x A14 00 00 0) + Two 90mm wheels (2 x L55 00 00 0)
+ One 75mm wheels (1 x L52 00 00 0) +
Brake Kit(Hydraulic) (L76 00 00 0)

20 kg landing gear

20Kg - 90°-120° Turning Retract Kit Three main retract unit
(2 x L20 00 00 0) + (1 x L21 00 00 0) + Hydraulic kit
(1 x L59 00 00 0) + Two 180mm straight Arm
(2 x A32 00 00 0) + One 150mm straight Arm
(1 x A30 00 00 0) + Two 100mm wheels
(2 x L56 00 00 0) + One 90mm wheels (1 x L55 00 00 0)
+ Brake Kit(Hydraulic) (L76 00 00 0)



Hydraulic Kit



This is intended for hydraulic operation of the retracts. This set contains Control Board, Electric Pump, Oil Tank, Distributor valve, One way valve, T Connector, Cross Connector, Connection Tubes

Brake Kit

Brake Assembly with shoes, Brake valve, Y - Connector, Reducer, Brake Oil with bottle Connecting Tubes - 3 mm



Product	Description	Product	Description
	Control Board		Landing Gear straight arm (each) - 12 Kg 130 mm 150 mm 160 mm
	Electric Pump 4.8 V - 7.2 V		Landing Gear straight for 2 wheels (each) -150mm-12 Kg
	Oil Tank - 120 ml		Landing Gear nose fork (each) - 12 kgs 160 mm 170 mm 180 mm
	Air Tank - 80ml, 100ml, 120ml, 175ml & 225ml		Landing Gear Bent Arm mm (each) - 12 kgs 160 mm 175 mm
	Distributor Valve		Rocker Arm (each) - 12 kgs 120 mm 145 mm
	One way Valve		Landing Gear Wires (2 main & 1 nose) 5 kgs 12 kgs
	T connector		Landing Gear MAIN / NOSE 12 Kg - 85°-90° turning - one retract mechanism only
	Cross Connector		Landing Gear MAIN / NOSE 20 Kg - 90°-120° turning - one retract mechanism only
	Connection Tubes : 2.5 mtrs/4 mm, 3 mtrs/3mm		Rims : 75 mm to 100 mm
	Brake valve		Brake Assembly 75 mm 90 mm
	Y - Connector		Tyres (Dia) With Rim 75mm, 80mm, 85 mm, 90mm & 100mm Tyres (Dia) Without Rim 75mm, 80mm, 85 mm, 90mm & 100mm
	Landing Gear straight arm (each) - 20 Kg 150 mm 160 mm 180 mm		

MADE IN INDIA