

Machine Capacities

Inspection

CNC Coordinate Measuring Machine	• X-axis 28" x Y-axis 28" x Z-axis 24" with gear checking capabilities
CNC Gear Measuring Machine	• X-axis 120" x Y-axis 240" x Z-axis 80" Din 1 / AGMA 15

Gearing

Racks	Unlimited Length up to 6" Face	64 DP to 1.00 DP
Spur Gears	Cut Teeth	Ø1" to Ø192" 64 DP to 0.75 DP
	Ground Teeth Din 1 / AGMA 15	Ø1" to Ø102" 12 DP to 0.50 DP
Helical Gears	Cut Teeth	Ø1" to Ø192" 64 DP to 0.75 DP
	Ground Teeth Din 1 / AGMA 15	Ø1" to Ø102" 12 DP to 0.50 DP
Worm Wheel		Ø1" to Ø96" 64 DP to 1.25 DP
Worm Shaft	Thread Milled / Ground	Ø1" to Ø36" 32 DP to 1.00 DP
Straight Bevel		Ø1" to Ø60" 24 DP to 1.00 DP
Coniflex Bevel		Ø1" to Ø24" 24 DP to 1.25 DP
Spline Shaft		Ø1" to Ø36" Up to 196" long
Herringbone		Ø1" to Ø192" 32 DP to 1.00 DP
Internal / Spur / Helical / Spline		Ø1" to Ø100" 32 DP to 1.50 DP
Sprockets / Machine Cut / Flame Cut		Ø1" to Ø192" Any pitch capacity

Machining

Turning	<ul style="list-style-type: none"> • CNC Turning Center Ø26" Swing x 118" Turning Length • CNC Lathes Ø20" Swing x 40" • Engine Lathes up to Ø40" Swing x 320" Centers • Turret Lathes up to Ø36" Swing x 8" Spindle Bore • Lathes up to Ø24" Swing x 118" Centers
Milling	<ul style="list-style-type: none"> • CNC Machining Center, Vertical Travel 28" x Cross Travel 80" x Longitudinal Travel 127" • CNC Vertical Travel 20" x Cross Travel 20" x Longitudinal Travel 65" • Vertical Travel to 102" x Cross Travel to 102" x Longitudinal Travel to 276"
Slotting	<ul style="list-style-type: none"> • 32" Stroke Unlimited Width
Broaching	<ul style="list-style-type: none"> • 60" x 30 ton pull / Spline / Keyway / Etc.
Grinding	<ul style="list-style-type: none"> • External up to Ø10" x 86" Long • Internal up to Ø12" • Surface Rotary up to Ø36" • Surface Horizontal Grinder 12" x 36" Travel
Vertical Boring Mill	<ul style="list-style-type: none"> • CNC Vertical Turning Lathe Ø80" Swing x 47" Vertical Travel • Ø192" Swing x Vertical Travel to 104"
Horizontal Boring Mill	<ul style="list-style-type: none"> • Vertical Travel to 64" x Cross Travel to 60" x Longitudinal Travel to 120"

Fabricating

Heat Treating	<ul style="list-style-type: none"> • Up to Ø36"
Stress Relieving	<ul style="list-style-type: none"> • Up to Ø72"
Shot Peening	<ul style="list-style-type: none"> • Ø70" x 34"
Fabricating	<ul style="list-style-type: none"> • CNC Profile Burning / Flame Hardening / Metal & Aluminum Spraying / Arc Welding / MIG Welding / Flame Cutting / CNC Horizontal Bandsaw up to Ø28"
Fitting & Assemblies	<ul style="list-style-type: none"> • Horizontal & Vertical Presses up to 250 tons certified millwrights and fitters on staff to fit customers specifications



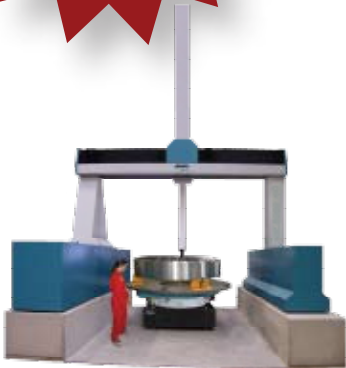
VANGEAR THE SUM OF ALL PARTS

Vancouver Gear Works Ltd.
14551 Burrows Road,
Richmond, B.C. Canada V6V 1K9

Tel: 604-278-3111 Fax: 604-270-1433
Toll Free: 1-877-888-3111
info@vangear.com | www.vangear.com

Coming in
2009

New Machines from 2008



Wenzel LHF GMM
(Gear Measuring Machine)
Ø120" x 240" length x 80" height



Höfler Rapid 2600
CNC Rapid Gear Grinder
Ø102" x .50 DP



Höfler HF 1600
CNC Hobber
Ø63" x .75 DP

New Machines from 2007



Höfler Rapid 1500
CNC Rapid Gear Grinder
Ø60" x .75 DP



Kao Ming
Double Column CNC Mill
Ø80" wide 127" long



Youji CNC VTL
Ø80" x 47" height



Okuma LB 45 CNC Lathe
Ø26" x 118" length



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Over 60,000 sq. ft. and utilizing over 175 Different Machines. Vancouver Gear Works has provided on-time service and support Since 1952