



Jde Souza[®]

Forestry Equipment



*Equipment designed to withstand
the rigors of the forest.*



ENGLISH
VERSION



www.jdesouza.com.br

THE COMPANY	02
SILVICULTURE EQUIPMENT FORESTRY SUBSOILERS	04
SILVICULTURE EQUIPMENT RAKES	06
CUTTING TREE SELECTIVE HARVESTER	07
CUTTING, SLASHING AND HANDLING MULTIFUNCTIONAL HEAD	08
SILVICULTURE EQUIPMENT MINI SKIDDER	10
SLASHING SLASHING GRAPPLE SAW	11
SLASHING SLASHER	14
HANDLING OF WOOD DERIVED FORK FRONTAL GRAPPLE	15
HANDLING OF WOOD DERIVED COAL LOADER	16
HANDLING OF WOOD DERIVED LOADER GRAPPLE	17
HANDLING OF WOOD DERIVED FRONTAL LOADER	20
HANDLING OF WOOD DERIVED SHELL GRAPPLE / SHELL WITH EXTENDER ARM	22
HANDLING OF WOOD DERIVED SHELL GRAPPLES	23
MACHINE PREPARATION	24
ATTACHMENTS	26
CUSTOMER'S FOLLOW UP	27

The Company

J de Souza Indústria Metalúrgica Ltda was born in 1979 in the City of Lages, State of Santa Catarina, South Brazil, founded by the Bachelor in Economics Mr. João de Souza. Firstly, it acted as a service provider of turning and welding for the sector of transportations, sawmills of the region and agricultural sector. Furthermore, the company passed to attend papermills and produce some machines customized and produce gears.

From the beginning of the 90's, pushed by the great number of companies linked to the sector of forestry base existing in the region and the necessity of this activity mechanization was started the manufacturing of forestry products which today it makes up the main activity of the company that has their products present in more than the half of the Brazilian States, besides Argentina, Paraguay and Uruguay.

Nowadays, J de Souza produces a Wide Line of Solutions for the Forestry Sector led to the Silviculture, Forestry Harvesting, Log Yards, Coal Yards and Handling of Forestry Residuals which are equipment of Great Resistance and High Productivity.

Our customers also count on the "Customer Follow Up Service" in the Forest and Industry by telephone and internet, Fastness in the Replacement of Parts due to J de Souza makes practically all the pieces of the products in its facilities.

Its factory is located in the Km 247 on the highway BR 116 in Lages in the Ridge Region of the State. This Region is known by the Coldness, great occurrence of Frostings, occasional Snowings, National Pine Seed Festival, and also by the Forestations of Pine.

The factory with little more than 2000 m² of built area, despite to be compact, it utilizes a High Technology Machinery, such as: Welding Robot, CNC* Machining Centers, CNC* Turners, Oxy-cutter Machine and CNC* Plasma, CNC* Gear Generator and other several machines, besides to count on a Qualified Workmanship, Engineers, Technicians, Personnel with Large Experience in the sector.

Install one J de Souza Equipment, then You will verify that our equipment are really designed to Support the Severity of the Forestry Activity with High Performance and Availability.

*CNC – Computerized Numeric Control





BRANCH OFFICE
SETE LAGOAS - MG

In the last years, J de Souza has undergone some import transformations in order to advance the quality of their products, attendance and support to the customer, as a result in 2013 We have obtained the ISO 9001-2008 Certification. Also, in this year it was appointed the first Representative of J de Souza out of Brazil, Bioequip which is in charge of Selling pieces equipment, technical assistance in Chile with a possibility of a future expansion to Peru.

In 2014, was started the first phase of the company's enlargement with the expectation that the Branch Plant 1 should be open in the end of 2015, unit which will be responsible for the equipment assembling and machine preparations. In 2015, the second phase of industrial park should be started which will increase the capacity of production of the Head Plant so that in the end of 2017 We will count on a built area of nearly 7000 m².

Still in 2015 will be open the J de Souza Branch Plant 2 in the City of Sete Lagoas in the State of Minas Gerais which will have as main activities the sales of replacement parts, services of technical assistance and machine preparations. Also in this year was started and Important Project to enter the North American Market that possibly will lead to the creation of a Business Branch Office in that country in 2016.

Nowadays, J de Souza already counts on a stock keeping unit for storing their equipment and pieces through the participation in ExportaSC Project developed by Sebrae (Brazilian Service of Helping Small Companies) and operated through Duvekot Company in Florida.

The company also studies the possibility to install a business branch in the borders between North Northwestern Brazil Regions, possibly in Southern Maranhão State.



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Silviculture Equipment

Forestry Subsoilers

SJ 1er

SJ 2d

SJ 1

SJ 1er

Silviculture Equipment

Forestry Subsoilers

SJ 2



Our Subsoilers are available in versions installable on Wheel Tractors and Track Type Tractors with versions with One or Two Fixed Harrower Fingers or with Hydraulic Disarmament, equipped with Harrowing System with Disc Harrows or Rotary Hoe, still having as Optional the Hydraulic Manuring System and Vegetation Cutting System with a Smooth Disc.

	SJ 1	SJ 1er	SJ 1d	SJ 2p	SJ 2d	Sj2
Tractor	Tires	Tires	Tires	Tires	Tires	Tires
Harrowing Fingers	1	1	1	2	2	2
Harrowing System	8 discs	Optional	8 discs	16 discs	16 discs	16 discs
Rotation Hoe	Optional	1	Unavailable	Unavailable	Unavailable	Unavailable
Hydraulic Disarm	Unavailable	Unavailable	1	Unavailable	2	Unavailable
Vegetation Cut System	Optional	Optional	Optional	Optional	Optional	Optional
Manuring System	Optional	Optional	Optional	Optional	Optional	Optional
Depth in cm	40 to 60 cm	40 to 60 cm	40 to 60 cm	45 to 60 cm	45 to 60 cm	45 to 60 cm

Silviculture Equipment

Rakes

J de Souza produces Rakes switched on the Harrowing of Branches, Stumps and other Residuals resultant from the Forestry Harvesting. This activity, besides to improve the conditions for the Sequentially Activity of Soil Preparation, it makes possible the Forestry Biomass Collecting.

J de Souza Rakes are installed on Spade-loaders of several marks, Track Type Tractors and Wheel Tractors, such equipment can be switched with the Fast Hydraulic Support which makes easier the change for another tool.

AJ 3600



	AJ 2000	AJ 3600	AJL
Base Machine	Tractor Tires	Tractor Tires / Loader	Track-type Tractor / Tractor Tires
Width	2.0 m	3.6 m	In Defining

Cutting Tree Selective Harvester

Product destined to the Selective Cutting of Trees, operation also known as Forest Thinning or Clearing. It also performs the Handling of Logs and Slashing of Trees without exactly measures.

The equipment is installed preferably on Narrow Agricultural Tractor (Fruit Style 75 HP) providing a Good Mobility, even through Dense Forest Population Plots. Low Risk of Collisions to the logs of the trees because such event may be worsened when it is utilized Spade-loaders or Wider Tractors.

The equipment is made up of a manipulation arm, oil reservoir, hydraulic piping and hosing, rotator, hydraulic commands, protection cage and a J de Souza MJ 300 Multifunctional Head.



	CSJ 300
Base Machine	Agricultural Tractor 75/85 cv
Reach of the Arm (Distance)	3.50m
Reach of the Arm (Height)	4.00m
Cutting Diameter	300mm

Cutting, Slashing and Handling Multifunctional Head

The Multifunctional Head is an equipment capable to perform the Operations of Tree Cutting (Felling) like the named Directional Feller (Feller Buncher), Slashing of Bunches like a Slashing Grapple Saw and Loading like a Log Loading Grapple. Likewise, this equipment is a Three in One, therefore it is named Multifunctional Head.

This equipment is made in Three Versions applicable on Hydraulic Excavators of Small and Middle Size, Narrow Agricultural Tractors equipped with a J de Souza Selective Harvester or on Retro-excavators.



	Cutting Diameter	Saber	Chain	Motor	Ideal Base Machine	Min. Outtake	Pressure	Area
MJ 300	300 mm	26" to 30"	Pace 4.04mm	Gear	Tractor with Harvester/ Retro-excavator	60 l / min	170 bar	0.15
MJ 580	580 mm	34" to 40"	Pace 3/4"	Piston 40cc	Excavator 12 to 15 ton	120 l / min	220 bar	0.40
MJ 800	800 mm	40" to 45"	Pace 3/4"	Piston 60cc	Excavator 18 to 23 ton	190 l / min	260 bar	0.58
MJ 1000	1000 mm	40" to 52"	Pace 3/4"	Piston 60cc	Excavator 25 to 30 ton	190 l / min	260 bar	0.80

Cutting, Slashing and Handling Multifunctional Head



Equipment for Trunk Dragging *Mini Skidder*

We produce Mini-Skidder for coupling on the Systems of Three Points, in versions available for Tractors of Small, Middle and Large Size, being characterized by a Grapple System which tends to let the Bunch Centralized, due to it is equipped with a Double Nail and a Central Nail. We supply and install Auxiliar Commands for tractors which are not equipped with this device.

MSJ 580



MSJ 140



MSJ 140



MSJ 140



	MSJ 140	MSJ 360	MSJ 580
Grapple Area (m2)	0.14	0.36	0.58
Tractor (hp)	20 to 50	55 to 110	More than 110

Slashing Slashing Grapple Saw

J de Souza is the Absolute Leader in the segment of Grapple Saws in Brazil. It produces Grapple Saws since the beginning of the 90's, being these equipment Exhaustively Tested, therefore Advanced through observations, suggestions and conclusions collected in the field together J de Souza customers.

Such equipment is characterized for having a Resistant, Compact and Robust Structure, High Availability, No Complex Hydraulic System of Easy Understanding without the installation of electric components on the tool, due to these articles are fragile and of high cost on the case of maintenance.

Our Grapple Saws are installable on Excavators of Small, Middle and Large Sizes, Agricultural Tractors with Forestry Loader and Retro-excavators. Such equipment is shown in Eleven Versions, where range the Grapple Size, Saber Saw Length, Motor Size, among other parameters which result into different performances according to the application of the equipment.

TJPE6



TJP



TJPG



Slashing Slashing Grapple Saw

TJLP



TJLM



TJPG



TJPG



TJL Double



Slashing Slashing Grapple Saw

TJP

	TJLP	TJLP Double	TJLM	TJLM Double	TJL	TJL Double	TJPM	TJP	TJPo	TJPG	TJPEG	TJPSG
Grap Area (m²)	0.30	0.30	0.40	0.40	0.58	0.58	0.40	0.58	0.58	0.85	1.00	1.35
Motor (cc)	19	19	19	2x19	19	2x19	40	60 ou 40	72	80 ou 60	80	80
Motor Type	Pistons	Pistons	Pistons	Pistons	Pistons	Pistons	Pistons	Pistons	Gears	Pistons	Pistons	Pistons
Saber (inch)	30	2 x 30	36	2x36	45	2x45	40	45	45	52	55	60
Chain Pace	4.04mm	4.04mm	4.04mm	4.04mm	4.04mm	4.04mm	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Flux (l/min)	60 to 160	60 to 160	90 to 160	90 to 160	90 to 160	114 to 160	114 to 160	180 to 210	190	270 to 340	320 to 350	320 to 400
Base Machine	Tractor with Excavator/Retro Excavator 12 ton				Excavator 15 to 23 ton		Excavator 18 to 25 ton			Excavator >25 ton		Excavator >30 ton

Slashing Slasher

**MTJ 600
with trailer**

MTJ 600

MTJ 1000

Special Project

MTJ 1000

MTJ 600

MTJ 2000-2

	MTJ 600	MTJ 1000	MTJ 1000 - 2	MTJ 2000	MTJ 2000 - 2
Bed Area (m ²)	0.60	1.00	1.00	2.00	2.00
Motor (cc)	52	72	2 x 72	83	2 x 83
Motor Type	Gears	Gears	Gears	Gears	Gears
Saber (inch)	40	63	2 x 63	81	2 x 81
Chain Pace	3/4"	3/4"	3/4"	3/4"	2/4"
Flux (l/min)	100 to 150	170 to 190	170 to 190	170 to 190	170 to 190
Base Machine	Tractor with Loader/Retro Excavator 12 ton	Excavator 16 to 23 ton		Excavator 25 ton ou +	

J de Souza Slashers are produced for using in the Forest or in Log Yards, existing models installed on Excavators, Agricultural Tractors with Forestry Loader or Hydraulic Units with Electric Starting available in versions with One or Two Saber Saws and with Fixed or Mobile Cushions. This is an equipment characterized for having a Middle Capacity of Production and a Good Length Accuracy, if it is well fed.

Handling of Wood Derived

Fork Frontal Grapple

Equipment of Compact and Robust Structure, J de Souza Frontal Forks can be installed on Agricultural Tractors equipped with J de Souza Frontal Loader (also, known as Grader, if it is of another mark) and on Loaders. It is possible the install combined to a Hydraulic Fast Couple Support which allows the Fast Change of Attachments such as Buckets, Forks and others.



	GFRJ T 450	GFRJ T 850	GFRJ 1200	GFRJ 1400	GPJ	GPJ T
Base Machine	Agricultural Tractor	Loader	Loader	Agricultural Tractor	Loader	Agricultural Tractor
Area (m²)	0.45	0.85	1.20	1.40	Boards	0.45

Handling of Wood Derived Coal Loader

Equipment utilized on Coal Yards, also Known as "Kiln Loader or Load Stick". It is presented in four versions: Fixed, Rotator Fix, Large Fix and Rotating, being coupable on Loaders of several marks, it is equipped with GJ 800c and GJ 580c Grapples (for coupling on the Rotator) and GJ 1000ce, GJ 800ce, GJ 580 ce Grapples.



	CCJ Fix	CCJ Fix r	CCJ Rotating	CCJ Fix G
Grapple Area (m2)	0.58 to 0.80"	0.58 to 0.80"	0.58 to 0.80"	0.80 to 1.00
Base Machine	Loader 8 to 11 ton			Loader 13 to 16 ton

Handling of Wood Derived Loader Grapple

J de Souza Loader Grapples are Recognized in Brazilian Market by their Durability, Resistance and High Performance. They are offered in near 30 models with an area section ranging between 0.18 and 2.0 m².

We count on models installed on Excavators, Retro-excavators, Forestry Loaders, Cranes, Traveller Crane Bridges, Loaders, Tricycles, among other possible Base-machines.

GJ 300s



GT 1350



GJ 1000re



GJ 300s



GJ 1350



GJ 800s



Handling of Wood Derived Loader Grapple

J de Souza makes available to their customers, different families of Wood Handling (Loading) Grapples: the "GJ xxxr" Serie, that is the serie of Grapples with Super-reinforced Structure, this is a differed product without similar in the market when it is observed from the Resistance Point, proper to the applying in Operations of Extremely Severe Regime.

The "GJ xxxs" Serie, is an equipment for Heavy Operations, however, with a lower resistance than the "r" Serie. The "GJ xxxsl" Serie makes available to the market a Grapple with a Super Light Structure, proper for installation on Forwarders, Self-Loaders and Forestry Loaders. In the "GJ xxxe" Serie, We offer Grapples for Special Applications, for instance . We have the Special Grapple for Slasher Feeding (Slasher).

There are also, the "GJ xxxre" Serie for Handling of Resides and Branches, the "GJ xxxc" Serie for Coal Yards and the "GJxxxrz" for the Reduction of Root Volumes.



GJ 360sl

GJ 1000r



GJ 600e



GJ 580r

Handling of Wood Derived Loader Grapple

GJ 300



Model	Area	Weight	Load	Max. Opening	Min. Closure	Max. Width	Hydraulic Feeding
GJ 180e	0.18	170	2500	1060	90	430	170/120 bar - 40 l/min
GJ 280sl	0.27	225	3000	1360	100	460	170/120 bar - 40 l/min
GJ 300e	0.30	235	3512	1450	100	420	170/120 bar - 40 l/min
GJ 360sl	0.36	290	3512	1475	125	515	170/120 bar - 60 l/min
GJ 400e	0.40	400	4200	1780	150	450	170/120 bar - 60 l/min
GJ 400r	0.40	450	4200	1780	150	450	170/120 bar - 60 l/min
GJ 400le	0.40	400	4200	1780	150	1000	170/120 bar - 60 l/min
GJ 580e	0.58	710	8128	2150	200	700	190/120 bar - 60 l/min
GJ 580ce	0.58	600	8128	2150	200	560	190/120 bar - 60 l/min
GJ 580s	0.58	580	8128	2150	200	560	190/120 bar - 60 l/min
GJ 580r	0.58	540	8128	2150	200	560	190/120 bar - 60 l/min
GJ 580ze	0.58	705	8128	2150	200	560	190/120 bar - 60 l/min
GJ 600e	0.60	1130	14070	3000	160	700	190/120 bar - 100 l/min
GJ 600el	0.60	850	10000	1800	160	700	190/120 bar - 100 l/min
GJ 800e	0.80	830	8450	2400	250	780	190/120 bar - 60 l/min
GJ 800ce	0.80	720	8450	2400	250	560	190/120 bar - 60 l/min
GJ 800s	0.80	700	8450	2400	250	580	190/120 bar - 80 l/min
GJ 800r	0.80	750	8450	2400	250	560	190/120 bar - 60 l/min
GJ 800re	0.80	1150	8450	2400	250	1025	190/120 bar - 60 l/min
GJ 800rz	0.80	815	8450	2400	250	580	190/120 bar - 60 l/min
GJ 1000s	1.00	815	9500	2750	280	620	190/120 bar - 80 l/min
GJ 1000r	1.00	920	9500	2750	280	620	170/120 bar - 80 l/min
GJ 1000re	1.00	1100	9500	2750	280	1100	190/120 bar - 80 l/min
GJ 1000rz	1.00	985	9500	2750	280	620	190/120 bar - 80 l/min
GJ 1200	1.20	1160	9370	3000	280	700	190/120 bar - 60 l/min
GJ 1350	1.35	1210	10500	3000	320	710	190/120 bar - 80 l/min
GJ 1450e	1.45	1300	10500	3250	280	710	190/120 bar - 80 l/min
GJ 1700	1.70	1800	13500	3600	460	750	190/120 bar - 80 l/min
GJ 2000	2.00	2100	15000	3900	510	800	190/120 bar - 80 l/min

GJ 1200

Handling of Wood Derived *Frontal Loader*



J de Souza Frontal Loaders are made available in two models: CFRJ 3000 and CFRJ 4500, being equipped with Grapples of 0.58 m², 0.80 m², 1.00 m², 1.2 m² or 1.35 m², provided with Limitless Spinning Rotator, still having as an Optional the Hydraulic Fast Couple, equipment that favors the Faster Change of Attachments Without the Necessity of Pin Manually Removal.

J de Souza Frontal Loaders underwent a re-engineering in 2014 counting on a Construction Much More Resistant, Robust and Extremely Reinforced being installable on Loaders of several marks. We also make available the Machine Preparation installing 3rd and 4th functions for the Rotator Spin, besides Grapple Open and Close Moving and still the 5th function for the Starting of the Hydraulic Fast Couple. J de Souza Frontal Loader has its construction Extremely Reinforced being installable on Loaders of several marks. We make:



Handling of Wood Derived Frontal Loader



	CFRJ 3000	CFRJ 3000I	CFRJ 4500
Grappe Area (m²)	0.58 to 0.80	0.80 to 1.00	1.00 to 1.35
Load Capacity (Kg)	3000	3000	4500
Base Machine	Loader 8 to 11 ton		Loader 13 to 16 ton

Handling of Wood Derived Shell Grapple / Shell with Extender Arm

J de Souza Shell Grapples (Buckets) are equipment destined the Chips Handling and other materials which make them installable on Loaders and Tractors. We make available this equipment in several sizes (volumes) with Extender Arm and Fast Coupling Support.

From April of 2015, the old extender arm underwent some deeply changes, therefore now it counts on a Higher Resistance as well as the shells underwent project improvements.



	Installation	Base Machine	Volume (m ³)	Optional Installation
COJ 2100	Chips and other materials	Loader	2.10	Fast Coupling Support
COJ 3000	Chips and other materials	Loader	3.00	Fast Coupling Support
COJ 5000	Chips and other materials	Loader	5.00	Fast Coupling Support
CO 3800rc	Coal	Loader	3.80	Extender Arm and Fast Coupling Support
CO 5000rc	Coal	Loader	5.00	Extender Arm and Fast Coupling Support
COJ T	Chips and other materials	Agricultural Tractor	0.50	Fast Coupling Support
CO T rc	Coal	Agricultural Tractor	0.80	Extender Arm and Fast Coupling Support

Handling of Wood Derived Shell Grapples

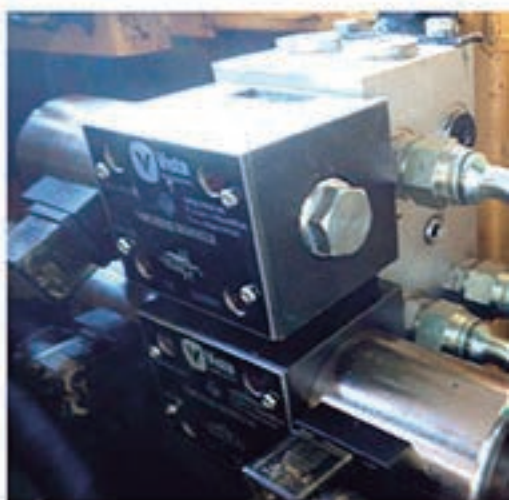
The Shell Grapple is an equipment destined to the Chips Handling, it is installable on Excavators, Forestry Loaders and other Base-machines. We make available this equipment with volumetric capacity of 1 m³ and 3 m³, being possible the development of other sizes according to customer's need.



	CJ 360	CJ 1000	CJ 2000
Base Machine	Loader / Crane	Excavator	Excavator
Volume (m ³)	0.30	1.00	3.00

Machine Preparation

We make the Hydraulic Machine Preparations in excavators, loaders, tractors, trucks, retro-excavators among other possible base machines for the installation of Multifunctional Heads, Saw Grapples, Loader Grapples, Slashers, Front and Coal Loaders among other forestry attachments installing additional valves, joysticks, pipes and hoses and other components as the need of each installation.



Machine Preparation



Attachments

In many occasions at installing a Forestry Equipment on an Excavator, Crane, Spade-loader or another Base-machine the customer faces to the necessity to install Special Components for a Better Coupling between Equipment and the Base-machine.

Reaching the Maximum Performance of your set, also passes through the installation of Good Quality Attachments, likewise, We supply Spear Extenders, Fast Coupling for Spade-loaders, Links and Rotators.



	Model	Width Body Metal Plate	Installation
Light Extender	PJL	1/2"	Excav. 12 ton
Medium Extender	PJM	5/8"	Excav. 15 ton
Heavy Extender	PJP	3/4"	Excav. 20 ton
Special Heavy Extender	PJPe	3/4"	Excav. 20 ton
Fast Coupling	ERHJ	1/2"	Loader

Customer's Follow up

J de Souza counts on a Specialized Team for Technical Assistance on the line products of Cutting, Slashing and Handling of Wood and Derivates Agility in the Supply of Replacement Parts due to practically all the pieces which make up the equipment are produced in our factory.

Our company makes available to You the Support with Presence in the Field through Trained Technicians and Mobile Workshops. Count on J de Souza by telephone and internet.





www.jdesouza.com.br

J de Souza
Forestry Equipment

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