

wagner

Exclusively By:

UTOPIA
L I V I N G

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World of Comfort – TITAN SERIES

Titan Series – Orthopedic Chairs
by Wagner made in Germany



Titan Ltd Comfort



Titan Ltd





Titan® Limited



Standard equipment

- * Headrest height adjustable and oscillating stored in a fine leather
- * Backrest extensively quilted, in a fine leather
- * Ergonomically shaped comfort seat with Memory foam, in a fine leather
- * Contrast seams and comfort upholstery on the seat and backrest
- * Self adjusting mechanism which adapt to the body weight automatically (available in two hardness grades)
- * Integrated seat depth adjustment
- * Height-, width- and depth adjustable Titan armrests with arm pads upholstered in the same coloured leather
- * Plastic elements black
- * Special deep spring suspension
- * Dondola®-seat joint
- * Design base in matt chromed aluminium

Titan® 10/20

- * Visitor chair in cantilever style with steel round tube, Ø 25 mm, tube thickness 2 mm, matt chromed (Titan® Limited S Visit) or three-dimensionally moveable conferenc chair, alternatively with casters or foot glides, matt chromed (Titan® Limited S 3D Visit)
- * Plastic parts in black
- * Backrest extensively quilted, in a fine aniline leather
- * Moulded seat with clip-system and Memory foam, in a fine leather
- * Contrast seams and comfort upholstery on the seat and backrest
- * Armrests with arm pads made of polyamide
- * Quick-click/foot glides for carpet floors





AluMedic with Dondola® – Orthopedic Chair
by Wagner Made in Germany



Alu Medic Chairs are available:

- ~ fully upholstered in Leather
- ~ Leather with mesh back
- ~ With headrest or without
- ~ upholstered in fabric or
- ~ fabric & mesh back



AluMedic® Limited S Comfort

Standard equipment

- + Headrest height adjustable and oscillating stored, upholstered in a fine leather
- + Backrest with a elegant diamond quilting and perforated leather cover, with integrated three-dimensionally moveable Dondola®-seat joint and height adjustable lumbar support
- + Backrest frame in polished aluminium
- + Ergonomically shaped moulded seat with memory foam
- + Aluminium clasp as connection of seat and backrest
- + Aluminium Syncro-Deluxe mechanism, with integrated seat depth- and angle adjustment, tension adjustment on side and lockable in two positions
- + Contrast seams as well as integrated comfort fleece in the seat and backrest for a incomparable soft seating experience
- + Armrests height adjustable, width adjustable via clip-system, radial- and depth adjustable arm pads in a fine leather cover (D4)
- + Special deep spring suspension
- + Dondola®-seat joint
- + Design base in polished aluminium



Standard equipment (Visit)

- + Visitor chair in cantilever style with steel tubular frame, Ø 25mm
- + Backrest with elegant diamond quilting and perforated leather cover
- + Contrast seams as well as integrated comfort fleece in the seat and backrest for a incomparable soft seating experience
- + Moulded seat with clip-system and memory foam
- + Armrests in polished aluminium
- + Quickclick/foot glides for carpet floors



AluMedic® Limited





AluMedic 10



AluMedic 5



Alu Medic Visit

wagner



AluMedic Series by Wagner Made in Germany



ErgoMedic Series
by Wagner Made in Germany



Visitor Chairs Series by Wagner Made in Germany



DONDOLA® Sitting in Motion – The Healthiest Wagner Chair ever!

WAGNER redefines the way of sitting! The smooth movement of the Dondola® seat joint enables easy transitions between various sitting postures. Thus, WAGNER office chairs noticeably helps to improve the health of your back. Despite many decades of research and much progress on sitting better, many are still experiencing back pain after long hours sitting in the normal office chairs.

WAGNER, one of the largest German office chair manufacturer, has been working in close cooperation with long-time leading work physician Professor Dr. Habil Theodor Peters. He is a medical specialist for occupation and social medicine in Germany. During the course of their cooperation, they discovered the simple idea – only movement can provide the back with really healthy effect. Permanent movement of the pelvic region builds your back muscles thus strengthening these muscles. The result of this study is the patented Dondola® office system, a three-dimensional fully mobile seat that provides optimal movement to keep your blood circulation in motion.

This was further proven with the only extensive medical study at the University of Regensburg under the direction of Professor Dr. Joachim Grifka on the singular effectiveness of the Dondola® office system. The medical survey of the University of Regensburg under direction of Professor Dr. Joachim Grifka shows revolutionary findings;

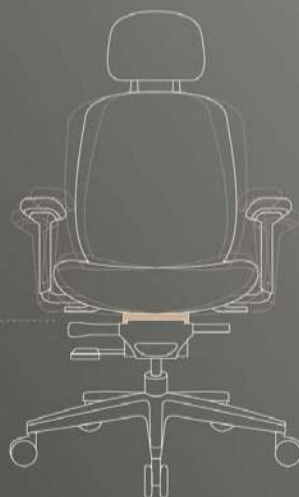
- 97% of the test persons reported a 66% decline of back pains using Dondola® (visual analogical scale)
- 50% decline of restrictions in everyday life caused by back pains (Owestry Disability Index)
- Significant increase of well-being in general by up to 39% (SF36)

The AluMedic series has received several awards, including Grade A by the leading professional journal "FACTS" 2007.

All WAGNER products are awarded with the Quality Office award– Made in Germany – built in accordance with all national and international safety standards. Particularly the AluMedic® series has received several test certificates including the GS-label of the LGA Nuremburg (a German testing house for proofed safety in accordance with the European Standard EN1335) as well as the US Standard ANSI BIFMA. In order to receive these certificates, products have to meet the highest standard in quality and production.

Dondola®

Medizinisch getestet – Das Original
Medically tested – the original



Sitzen in Bewegung – mit dem Dondola® Sitzgelenk

„Der gesündeste WAGNER Bürostuhl, den es je gab“ WAGNER definiert das Sitzen neu. Durch die einzigartige Bewegung des Dondola® Sitzgelenkes fördern WAGNER Bürostühle „süßler“ die Gesundheit Ihres Rückens. Sie wurden mehrfach ausgezeichnet, unter anderem von der führenden Fachzeitschrift „fachs“.

- *Die medizinische Studie der Universität Regensburg, unter der Leitung von Prof. Grifka, bringt revolutionäre Ergebnisse:
- Reduzierung der Schmerzen bei den Probanden um 66% (Visuelle Analogieskala)
 - Abnahme der Einschränkungen durch Rückenschmerzen im täglichen Leben um 50% (Oswestry Disability Index)
 - Signifikante Steigerung des allgemeinen Wohlbefindens um bis zu 39% (SF36)

Studie erhältlich unter: www.wagner-wellness.com

Sitting in motion – Dondola® seat joint

“The healthiest WAGNER chair ever” WAGNER redefines the way of sitting. Due to the unique movement of the Dondola® seat joint WAGNER office chairs promote noticeably the health of your back. They have received several awards, including by the leading professional journal “fachs”.

- *The medical survey of the University of Regensburg under direction of Prof. Grifka shows revolutionary findings:
- 66% of the test persons report a decline of pains (Visual analogical scale)
 - 50% decline of restrictions in everyday life caused by back pains (Oswestry Disability Index)
 - Significant increase of well-being in general by up to 39% (SF36)

Survey available on: www.wagner-wellness.com

Dondola® Technik

Die neue Generation des patentierten Dondola® Sitzgelenkes ist da! Jetzt vollkommen unsichtbar zwischen Sitz und Mechanik integriert, entwickelt es die ständige Verbindung zum Stuhlmechanismus. Die dreidimensionale Beweglichkeit der Sitzfläche verhindert eine über Stunden unveränderte Sitzhaltung und fördert permanent dynamisches, muskelaktivierendes Sitzen in Bewegung, ähnlich dem Gymnastikball-Prinzip.

Dondola® Technology

The new generation of the patented Dondola® seating surface is available now! Completely invisible – integrated between seat and mechanism – it uncouples the fixed connection to the base part of the chair. The three-dimensional mobility of the seat prevents an unchanged seating position lasting for hours and supports permanent dynamic seating and activates the back muscles – the principle of the exercise ball is integrated into the swivel chair.



WAGNER-Quality

WAGNER office chairs – made in Germany – are built in accordance with all national and international safety standards. They have received several test certificates, including the GS-label of the LGA Nuremberg (a German testing house for proofed safety in accordance with the European Standard EN 1335) as well as the US standard ANSI BIFMA. Our core philosophy is to deliver only best quality. And there is proof that we succeed in our efforts: They have been awarded with the Quality Office certificate by the German Office Furniture Industry. In order to receive this certificate, products have to meet the highest industry standards. More information is available at www.qualityoffice.org





ErgoMedic 100 with headrest



ErgoMedic 100



ErgoMedic Visit

Avoiding pain and setting free potential of your employees - with the swivel chair!

Medical Dondola Study – pg 1 / 8



Wagner

www.wagnergroup.com

1. Target of the Study

Main target of the study was to proof that the Wagner office chair with Dondola-technique is superior in comparison to a "normal" office chair (same construction, not three dimensional moveable) regarding pain and function hinderances in the lumbar area during the use of 3 months.

2. Methodic Processus

The study is based on an examination row with a verum (Wagner-office chair with Dondola-seating system) and a placebo-group (Wagner-office chair without Dondola-seating system). The examinee did not know which group he belongs to. Study start was in July 2005 and has taken in total 8 months. It was 74 examinees aged between 20 and 64 years old. The examinees had to do at least 6 hours per day an office job during 5 days a week and they had to suffer for at least 6 months from back pain in the lumbar area. Furthermore it was important that no single examinee took medicine stopping pain on a regular basis, or at least had 2 weeks before study start a medicine free interval.

The examinees have been recruited in clinics, institutes of the university Regensburg and by pharma companies at place. It were 38 female and 36 male examinees whereas 37 have been counted to the placebo and 37 to the verum group.

Measurement methods (scores) have been the "Visual Analog Scala", the "Oswestry Disability Index (ODI)", die "Generic Health Questionnaire Short Form (SF-36)" and a questionnaire for subjective estimation of the examinee.

At start and after finishing the examination a case study has been established with the examinee and a clinical diagnosis. Furthermore a comparison measurement of the pressure distribution on both tested chairs regarding symetrie and seating dynamic has been made in a movement lab. An EMG-measurement regarding side difference and percentage activity has been taken into consideration for the estimation of the seating symetrie.

3. Study results

3.1 Main results

It is proven by the study that the Dondola swivel chair alleviates on the one hand pain in a high extent and leads to a big improvement of general well being on the other.

Important code numbers hereto:

- o Records of pain drop at examinees by 66% (visual analog scala)

- o Decrease of back pain hinderances in daily life by 50% (Oswestry Disability Index)

- o Significant increase of general well being up to 39% (SF36)

In addition the result was interesting that the Wagner chair without Dondola which was similar in construction already led to an impressive improvement.

This result has been topped by the Dondola chair even more.

It has been proven that one sided charges of the lumbar support have been excluded by the moveable Dondola (pressure participation measurement).

3.2 The results in detail

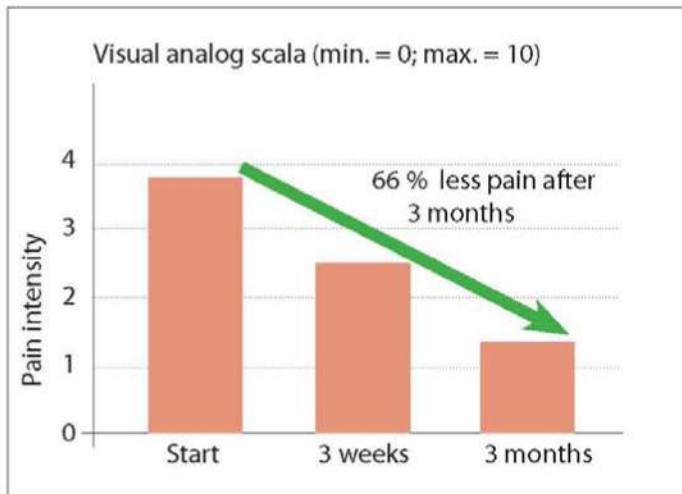
3.2.1 Visual analog scala

By the help of a visual analog scale the pain intensity may be determined. The examinee marks on a 10 cm long line (0 = free of pain, 10 = maximum pain which can be imagined) his pain over the last couple of weeks.

After verification over the visual analog scale at the beginning, after 3 weeks and after 3 months of the study we have the following results:

	VERUM-average value	PLACEBO-average value
Start	3,83	3,95
3 weeks	2,56	3,27
3 months	1,29	2,64

In both groups in the verum as well as in the placebo group there have been noticed significant improvements of the subjective pain impression.



The fact that there has been noticed an improvement as well in the placebo group, is due to the high quality of the Wagner-office chair also without Dondola-technique in comparison to the known chairs of the examinees. The important improvements (more than 66% within the verum group) also in comparison to the placebo group (still more than 50% improvement in comparison to the already good result!) shows in an impressive way the high effectiveness of the Dondola technique.

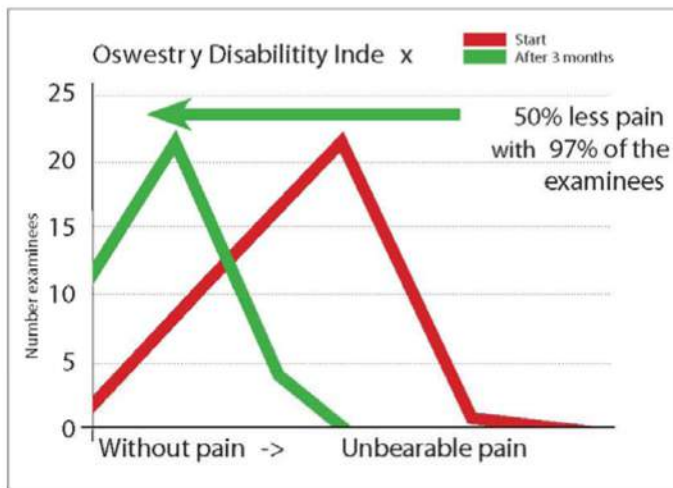
3.2.2 Oswestry Disability Index

The Oswestry Disability Index contains almost 10 questions and serves to note the functional hinderances in daily life due to back pain. The ten sectors of daily life which have been checked are:

Pain intensity, carrying, sitting, sleeping, travelling, shopping, walking, standing, social life and professional activity. The examinee had to reply in a scale between 6 (no pain, very little pain, decent pain, heavy pain, very heavy pain and unbearable pain). Taking into consideration the shape and condition of the examinee at the moment of the report starting point have been given for each reply. These points are calculated and results are taken. The more the value percentage value is, the higher the hinderance of the examinee in daily life.

We came to the following results:

	VERUM		PLACEBO	
	Start	3 months	Start	3 months
No pain	1	11	5	11
Very little pain	12	22	12	13
Moderate pain	22	4	15	8
Heavy pain	1	0	5	0
Very heavy pain	1	0	0	1
Unbearable pain	0	0	0	0



Main result was that in the verum group 36 of 37 persons felt high improvements and even 10 were absolutely pain-free. No single person felt heavy pain anymore. The differences to the placebo group are similar and show a direct result of the Dondola technique. 97% of the examinees have reduced their felt pain in an impressive way by a 3 months use of the Wagner Dondola chair. The inconveniences experienced in social life have been reduced for all testing persons by more than 50% (from 18,9% to in average 9,2%). This means that above mentioned activities may be executed easier and with less pain. The increase of manpower and the power to enjoy social life again lead to a strong improvement in the private and professional sector.

3.2.3 Generic Health Questionnaire Short Form (SF 36)

The questionnaire to the health status SF-36 is one of the most used questionnaires for checking your health status. Results are taken in 8 sub scales which are created by one or several questions. For each question we have 2 to 6 reply possibilities. After code change a calculation is done in a scale from 0 to 100. A high number result is relevant to a good health status.

Chosen results:

	VERUM		PLACEBO	
	Before	After	Before	After
Body Functionality	74,73	89,46	75,94	82,66
Body Role function	67,57	93,92	78,13	85,94
Body Pain	64,89	82,03	65,13	74,50

Also in the SF-36 we have a result of 39% improvement in a before and after comparison. The examinee is feeling almost painless, his body functionality is established again and he feels much more able to perform. A higher vitality and increased physic and psychologic well being is granted.

One further question within the SF-36 was whether the felt pain have been a hinderance in daily life and work on beginning of the study.

Replies:

	VERUM		PLACEBO	
	Before	After	Before	After
Not at all	4	23	7	12
A little	23	11	19	16
Moderate	7	3	8	5
Rather	3	0	2	0
Very much	1	0	1	0

The replies do correspond ca. to the results in the replies of the Oswestry-Score. The improvements in daily and work life are significant for 90% of the examinees in the verum-group - they had due to the little rest pain no or almost no hinderances in all sectors of life.

3.2.4 Last Questionnaire

After finishing the study the examinees have been asked a few final questions. Both groups had to judge the chairs regarding comfort, functionality and design. Furthermore the study participants should give an estimation in which extent the chair has influenced pain in the region of the lumbar. Furthermore it has been asked how they felt on the chair and if they would like to exchange it against their old chair.

Results:

96,6% of the verum group said the chair with Dondola-system is comfortable to very comfortable (71%), 83,9% would like to exchange it against their old chair. 86,7% of the verum-group would "probably" to "certainly" recommend the Dondola chair.

80,6% of the Dondola-users are convinced that the use of the test chair has lead to a decrease in their back pain, whereas 93,5 % had the feeling to sit more actively on this chair. In a school grade valuation the Dondola chair has received the mark 1,68. More than 90% of all study participants (verum and placebo) judged the seat width, the upholstery and the backrest height perfect and they were very satisfied with the individual adjustment possibilities of the chair.

3.2.5 Pressure distribution

To answer the question if the seating symetrie is influenced by the Dondola function, the pressure distribution has been measured while reading a newspaper article in relaxed sitting position. Afterwards the changes have been measured at the single examinee in the placebo as well as in the verum group.

Result:

	Side difference after three months between left and right	
	Side difference (medium values)	Standard difference
Measurement1,L2	6,8%	5,5%
Measurement1,L4	12,0%	11,2%
Measurement3,L2	7,0%	6,6%
Measurement3,L4	12,7%	13,0%

Due to these results the consequence is that no one-sided sitting is done while sitting on a chair with Dondola-function. All differences are within or very tight on the standard differences, so that a deformation of the spinal column by one-sided charges can be excluded.

4. Meaning for companies, economics and examinees

Yearly the whole economy has to suffer by damages in Millions of Euros by backrest pain and the sickness rate of the employees.

The study has proven in an impressive way that office chairs equipped with the Dondola functionality pain is highly reduced and may even be cured and avoided to 100%.

The employees are more focussed, can sit longer, feel happier and better. Sickness days because of pain in the lumber region are reduced dramatically.

The companies save money, sickness days will be reduced in a high extent and the potential of the employees I increased.

The examinee gets a more positive attitude towards life, all sectors in private and work life are more active and positive (up to absolute pain reduction).

Langenneufnach, the 01.09.2006

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